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Ministry of the  
Environment

Water Resources  
Bulletin 1-4  
General series



**DATA FOR  
NORTHERN ONTARIO  
WATER RESOURCES  
STUDIES  
1971**

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*WATER RESOURCES*  
*BULLETIN 1-4*  
*General series*

**DATA FOR  
NORTHERN ONTARIO  
WATER RESOURCES  
STUDIES  
1971**

**MINISTRY OF THE ENVIRONMENT**  
**Water Quantity Management Branch**

**TORONTO**

**ONTARIO**

## TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
SCOPE OF BULLETIN	2
SURVEY ACTIVITIES	2
EXPLANATION OF DATA PRESENTATION	5
FIELD PERSONNEL	3
OTHER SOURCES OF DATA	3

## TABLES

### STREAMFLOW

#### Albany River Basin

Table Number		Station Number	Page
1	Albany River at outlet of Miminiska Lake	43-01-024	6
2	Balkam Creek at outlet of Balkam Lake	43-01-025	7
3	Brightsand River at Moberley Lake Narrows	43-01-017	8
4	Kawashkagama River upstream from O'Sullivan Lake	43-01-013	9
5	Kenogami River below Little Current River	43-01-015	10
6	Muswabik River at outlet of Lorenz Lake	43-01-018	11
7	Opichuan River at Kellow Lake Narrows	43-01-020	12
8	Pashkokogan River downstream from Pashkokogan Lake	43-01-021	13

#### Severn River Basin

9	Flanagan River at Northwind Lake Dam	47-01-003	14
10	Schade River downstream from Misiwawayea Lake	47-01-009	15

## SNOWCOURSE DATA

Table Number		Station Number	Page
11	Albany River Basin - Nakina	43-04-001	16
11	Albany River Basin - Ogoki	43-04-002	16
11	Attawapiskat River Basin - Attawapiskat	44-04-001	16
11	Attawapiskat River Basin - Pickle Lake	44-04-002	16
11	Winisk River Basin - Winisk	46-04-001	16

## OBSERVATION WELL LOGS

Attawapiskat River Basin

Table Number		Station Number	Page
12	Pickle Lake	44-05-002-1	18
12	Pickle Lake	44-05-002-2	18
13	Pickle Lake	44-05-003	19
13	Pickle Lake (on road to airport)	44-05-004	19
14	Pickle Lake	44-05-005	20
15	Central Patricia	44-05-006-1	21
15	Central Patricia	44-05-006-2	21
15	Central Patricia	44-05-007-1	21
15	Central Patricia	44-05-007-2	21
16	Central Patricia	44-05-008-1	22
16	Central Patricia	44-05-008-2	22
17	Pickle Lake (Lands and Forests)	44-05-009	23
17	Pickle Lake (on road to airport)	44-05-010	23
18	Central Patricia (behind Central Patricia Hotel)	44-05-011	24

## OBSERVATION WELL DATA

Albany River Basin

Table Number		Well Number	Page
19	Anaconda Road to Kowkash Road	43-05-001-1R	25
20	Anaconda Road near O'Sullivan Lake	43-05-002-1	26

## OBSERVATION WELL DATA (Con't)

		<u>Albany River Basin</u>		
Table Number		Well Number		Page
21	Anaconda Road near O'Sullivan Lake	43-05-002-2		26
22	18 miles north of Calstock	43-05-003R		27
23	Albany River west of Hat Island	43-05-004R		28
24	Kowkash Road west of Anaconda Road	43-05-007-1		29
25	Anaconda Road north of Kowkash Road	43-05-008-2		29
26	18 miles north of Clastock	43-05-009		30
27	Hwy. 643, 1.5 miles west of Hwy. 584	43-05-014-1		30
28	Hwy. 643, 1.5 miles west of Hwy. 584	43-05-014-2P		31
29	Hwy. 643, 1.5 miles west of Hwy. 584	43-05-014-3P		31
30	Hwy. 643, 1.5 miles west of Hwy. 584	43-05-014-4		32
31	Fleming Lake Road west of Hwy. 643	43-05-015-2P		32
32	Fleming Lake Road west of Hwy. 643	43-05-015-1R		33
33	Fleming Lake Road west of Hwy. 643	43-05-015-3P		34
34	Hwy. 643, 2.5 miles west of Hwy. 584	43-05-016-1		34
35	Hwy. 643, 2.5 miles west of Hwy. 584	43-05-016-2R		35
36	Hwy. 643, 2.5 miles west of Hwy. 584	43-05-016-3P		36
37	Cordingley Road at Balkam Creek	43-05-017-1P		36
38	Cordingley Road at Balkam Creek	43-05-017-2P		37
39	North of Nakina	43-05-018		37

Attawapiskat River Basin

40	Badesdawa Lake Outlet	44-05-001R	38
41	Pickle Lake	44-05-002-1	39
42	Pickle Lake	44-05-002-2	39
43	Pickle Lake	44-05-003	39
44	Pickle Lake (on road to airport)	44-05-004	40
45	Pickle Lake	44-05-005	40

## OBSERVATION WELL DATA (Con't)

Attawapiskat River Basin

Table Number		Well Number	Page
46	Central Patricia	44-05-006-1	40
47	Central Patricia	44-05-006-2	41
48	Central Patricia	44-05-007-1	41
49	Central Patricia	44-05-007-2	41
50	Central Patricia	44-05-008-1	42
51	Central Patricia	44-05-008-2	42
52	Pickle Lake (Lands and Forests)	44-05-009	43
53	Pickle Lake (on road to airport)	44-05-010	43
54	Central Patricia	44-05-0	43

Severn River Basin

55	Muskrat Dam Lake	47-05-001	44
----	------------------	-----------	----

## CHEMICAL ANALYSES OF WATER SAMPLES

Table  
Number

56	Albany River Basin	45
57	Attawapiskat River Basin	48
58	Moose River Basin	50
59	Severn River Basin	53
60	Winisk River Basin	55

## PHYTOPLANKTON DATA

Table  
NumberAlbany River Basin

61	Bog Lake	-	Blue Green	56
62		-	Diatoms	57
63		-	Flagellates	58
64		-	Green	59
65	Bluegoose Lake	-	Blue Green	61
66		-	Diatoms	62
67		-	Flagellates	63
68		-	Green	64
69	Bluejay Lake	-	Blue Green	66
70		-	Diatoms	67
71		-	Flagellates	68
72		-	Green	69
73	Lingen Lake	-	Blue Green	71
74		-	Diatoms	72
75		-	Flagellates	73

## PHYTOPLANKTON DATA (Con't)

Table Number	Albany River Basin		Page
76	Lingen Lake	-	Green 74
77	Lower Twin Lake	-	Blue Green 76
78			Diatoms 77
79			Flagellates 78
80			Green 79
81	Lucy Lake	-	Blue Green 81
82			Diatoms 82
83			Flagellates 83
84			Green 84
85	String Bog	-	Blue Green 86
86			Diatoms 87
87			Flagellates 88
88			Green 89
89	Wabemeig Lake	-	Blue Green 91
90			Diatoms 92
91			Flagellates 93
92			Green 94
Attawapiskat River Basin			
93	Streatfield Lake	-	Blue Green 96
94			Diatoms 97
95			Flagellates 98
96			Green 99
Moose River Basin			
97	Brunswick Lake	-	Blue Green 101
98			Diatoms 102
99			Flagellates 103
100			Green 104
101	Pierre Lake	-	Blue Green 106
102			Diatoms 107
103			Flagellates 108
104			Green 109
105	Remi Lake	-	Blue Green 111
106			Diatoms 112
107			Flagellates 113
108			Green 114

## PHYTOPLANKTON DATA (Con't)

Table Number	<u>Moose River Basin</u>			Page
109	Saganash Lake	-	Blue Green	116
110			Diatoms	117
111			Flagellates	118
112			Green	119
113	Shannon Lake	-	Blue Green	121
114			Diatoms	122
115			Flagellates	123
116			Green	124

## ZOOPLANKTON

Table Number	<u>Albany River Basin</u>			Page
117	Bog Lake	-	Cladocera	126
118			Copepoda	127
119	Bluegoose Lake	-	Cladocera	128
120			Copepoda	129
121	Bluejay Lake	-	Cladocera	130
122			Copepoda	131
123	Lingen Lake	-	Cladocera	132
124			Copepoda	133
125	Lower Twin Lake	-	Cladocera	134
126			Copepoda	135
127	Lucy Lake	-	Cladocera	136
128			Copepoda	137
129	String Bog	-	Cladocera	138
130			Copepoda	139
131	Wabemeig Lake	-	Cladocera	140
132			Copepoda	141

## ZOOPLANKTON (Con't)

Table Number	<u>Attawapiskat River Basin</u>			Page
133	Streatfield Lake	-	Cladocera	142
134			Copepoda	143
<u>Moose River Basin</u>				
135	Brunswick Lake	-	Cladocera	144
136			Copepoda	145
137	Pierre Lake	-	Cladocera	146
138			Copepoda	147
139	Remi Lake	-	Cladocera	148
140			Copepoda	149
141	Saganash Lake	-	Cladocera	150
142			Copepoda	151
143	Shannon Lake	-	Cladocera	152
144			Copepoda	153

## ILLUSTRATIONS

Plate 1 Hydrometric Stations and Investigated Sites  
Inside pocket in back cover

Water Resources Bulletin 1-4

Data for

Northern Ontario Water Resources Studies

1971

INTRODUCTION

In October, 1965, the Prime Minister of Canada and the Premier of Ontario announced that the Governments of Canada and Ontario had agreed to undertake a series of co-ordinated studies of Ontario's northern water resources and related economic development. Provision was made for the establishment of a Co-ordinating Committee representing the two governments to arrange for the exchange of all information gathered in the studies and to avoid duplication or overlapping of effort by the participating agencies. Most of the work is being undertaken in five large river basins draining to Hudson Bay and James Bay. From northwest to southeast, these are the Severn, Winisk, Attawapiskat, Albany and Moose River basins.

The Co-ordinating Committee prepared a statement of objective for the studies to be carried out separately by agencies of the two governments, as follows:

"With respect to waters draining into James Bay and Hudson Bay in Ontario, to assess the quantity and quality of water resources for all purposes; to determine present and future requirements for such waters; to assess alternative possibilities for the utilization of such waters locally or elsewhere through diversions."

The Government of Ontario delegated its part in the hydrologic and engineering aspects of the studies to the Ontario Water Resources Commission which is now part of the Ministry of the Environment. The OWRC assigned the Hydrologic Data and Surveys and Projects Branches of the Division of Water Resources to pursue these studies. Ontario's responsibilities in the economic aspects of the studies were delegated to the Applied Economics Branch of the Department of Economics and

Development, currently with the Ministry of Treasury, Economics and Intergovernmental Affairs.

### SCOPE OF BULLETIN

This bulletin is limited to the presentation of data gathered by the Ontario Water Resources Commission during 1971. Tables and a map are used to present the data and information on streamflow, groundwater levels, snow-fall, water chemistry, water biology and hydrogeology. A report will be published at the end of the studies and will deal with the interpretation of the data obtained and the significance of the various hydrologic factors to the water resources in northern Ontario. Data collected by other agencies are not included in this publication, however, the locations of hydrometric stations operated by other agencies are shown on the enclosed map.

### SURVEY ACTIVITIES

The activities of the two Branches of the Division of Water Resources are described below:

The Hydrologic Data Branch was engaged in the development and maintenance of its hydrometric network and the gathering of hydrologic data in the study area. Field investigations were carried out to select sites for the location of streamflow gauging stations. Recorders were maintained and new ones installed on streams and wells for either continuous or short term measurements to provide background data for study by the Surveys and Projects Branch. The Branch collaborates with the Water Survey of Canada in the establishment of co-operative streamflow gauging stations.

The Surveys and Projects Branch was engaged in the evaluation of hydrogeologic conditions in selected areas and in water quality studies throughout the study area. A well drilling program was carried out in the Pickle Lake area within the Attawapiskat basin. Surficial geologic studies were done in the headwater regions of the Winisk, Attawapiskat and Albany basins.

Water samples for chemical water quality evaluation were collected from selected streams, lakes and wells by staff of the OWRC. Samples were also collected from streams at federal gauging station locations by the Water Survey of Canada for the OWRC. The selected streams and lakes were sampled regularly and the wells only once. Extensive sampling was done in the Moose, Albany and Attawapiskat river basins and less extensively in the Winisk and Severn river basins.

In addition to the chemical water quality sampling of the selected lakes, the Branch collected water samples for the determination of phytoplankton, zooplankton and chlorophyll concentrations, and mud samples from these lakes for heavy metal analysis.

### EXPLANATION OF DATA PRESENTATION

All data published in the tables that follow have been grouped according to the major drainage basins. The following comments explain some of the terms and descriptions used.

#### Locations

Latitude and Longitude were determined from scaling the plotted locations on maps. The descriptions are further elaborated by references to stream features such as confluence, lake outlets or nearest settlement.

#### Drainage Area

The drainage area of a streamflow station is the area, enclosed by a surficial divide, that contributes to runoff from the precipitation falling on the area. Areas were determined from the maps of the National Topographic System at a scale of 1:250,000.

#### Gauges

Where appropriate, types of gauges and brief descriptions of the devices are given. The primary gauge used has been the Brott water level recorder. This instrument operates on the principle of measuring the static pressure on the end of a tube which is slowly bubbling nitrogen gas from a tank under pressure. The pressure sensing element activates a pen on a strip chart recorder.

#### Discharges

Discharges were computed from streamflow measurements and from stream-stage data collected at automatic water level recording stations using stage-discharge relationships developed for these stations. Stream velocities were measured by either the wading or suspension method. When using the wading method the meter was attached to a rod which was held vertically and rested on the stream bottom. When using the suspension method the meter was suspended from a cable

and winch using a boat. In both cases, the stream was divided into approximately 20 sections. Their spacing was selected so that the discharge in each section did not exceed ten per cent of the total discharge. Velocity measurements were taken and the discharge calculated for each section. The total discharge across a river is the sum of these discharges.

Velocity measurements were taken at 0.2 and 0.8 of the depth of each section and were averaged to give the velocity of the section. In extremely shallow conditions, velocity measured at 0.6 of the depth from the water surface was assumed to be the average velocity. Most of the boat measurements were done utilizing a tag line suspended across the river. This was to position the boat at the selected section and to steady the boat in the current.

#### Snow Courses

Snow courses consisting of ten sampling points, spaced approximately 100 feet apart, were laid out in the bush so that typical average snow depths could be measured. The snow courses were sampled by a Mount Rose sampler which involved the taking of a core of snow in a tube, recording the depth of snow, weighing the core and sampler and calculating the water equivalent from the weight of the core.

#### Water Quality

Temperature, conductivity and secchi disk readings of the surface waters were measured in the field; dissolved oxygen, turbidity and colour were determined in the field office; and all chemical and biological analyses on surface and ground water samples were done at the Commission's Toronto Laboratory.

#### Biological Sampling

Biological samples were collected with water quality samples. Zooplankton samples were taken with one vertical haul of a Wisconsin plankton net, from two feet above the bottom to the surface. Phytoplankton samples were taken using one vertical haul of a composite sampler through 2.5 times the distance of the secchi disk reading.

## FIELD PERSONNEL

The field activities were co-ordinated by Mr. R. Pikula. The personnel engaged in Northern Ontario Water Resources Studies field activities during the year 1971 are listed below:

### Surveys and Projects Branch

R. Pikula - Engineer  
K. T. Wang - Geologist  
A. Roy - Scientist  
C. Boodram - Technician  
D. Andrijiw - Summer Student

### Hydrologic Data Branch

M. Reid - Engineer  
D. Moore - Technician

## OTHER SOURCES OF DATA

It should be noted that the data contained in this report are only those collected by staff of the former Ontario Water Resources Commission presently part of the Ontario Ministry of the Environment. Additional information is available from the following agencies:

Streamflow -	Inland Waters Branch, Environment Canada, OTTAWA, Ontario.
Snowcourse -	Atmospheric Environment Service, DOWNSVIEW, Ontario.
	Ontario Hydro Electric Commission, TORONTO, Ontario.
Rainfall -	Atmospheric Environment Service, DOWNSVIEW, Ontario.
	Ontario Ministry of Natural Resources, District Headquarters.
Geology -	Ontario Ministry of Natural Resources, TORONTO, Ontario.
	Geological Survey of Canada, OTTAWA, Ontario.
Chemical Analysis of Water -	Ministry of Natural Resources, TORONTO, Ontario.

TABLE 1  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-024  
 LOCATION: Albany River at outlet of Miminiska Lake  
 51° 33'N, 88° 33'W.  
 DRAINAGE AREA: 3,360 sq. miles  
 GAUGE: Float Type/Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							3740	4800			6370	4790
2							3670	5170			6650	4680
3							3560	5360			7020	4590
4							3600				7250	4530
5							3510				7430	4500
6							3470				7840	4470
7							3260				7730	4440
8							3320				7550	4470
9							3300				7360	4390
10						5370	2990				7280	4330
11							5300	2880			7180	4340
12							5200	2800			7100	4350
13							5000	2910			7010	4370
14							4890	2860			6830	4380
15							4750	2820			6680	4410
16							4630	2850			6570	4440
17							4590	2750			6430	
18							4600	2610			6330	
19							4490	2590			6120	
20							4470	2520			5950	
21							4410	2570		4460	5770	
22							4400	2620		4520	5520	
23							4350	2590		4540	5280	
24							4260	2550		4540	5210	
25							4190	2700		4520	5210	
26							4100	2790		4500	5210	
27							4010	2730		4550	5200	
28							4050	3000		5090	5140	
29							3960	3500		5090	5080	
30							3840	3830		5260	4960	
31							4300			6040		
Mean							3070				6380	
Max.							4540				8070	
Min.							2460				4890	

TABLE 2  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-025

LOCATION: Balkam Creek at the outlet of Balkam Lake  
50°11'N, 86°45'W

DRAINAGE AREA: 18 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							16.3	8.0	2.7	41.5	46.7	
2							14.9	7.9	2.9	53.6	47.6	
3							13.8	7.8	3.4	65.6	48.7	
4							13.9	7.3	4.6	78.7	48.2	
5							12.3	6.8	5.4	89.8	47.3	
6							10.8	6.3	5.9	91.0E	47.4	
7							10.2	6.0	6.1	90.0E	47.6	
8							10.1	5.8	6.0	89.8	47.4	
9							9.2	5.4	5.9	86.4	45.2	
10							8.1	4.9	6.4	82.0	42.5	
11							7.4	4.4	6.8	74.7	40.4	
12							7.1	4.0	6.7	69.1	38.2	
13						38.1	8.0	3.7	6.2	64.0	35.6	
14						34.4	8.4	3.5	6.4	59.1	33.2	
15						31.4	8.5	3.3	7.0	55.7	31.2	
16						28.2	8.6	3.4	7.2	51.6	29.4	
17						25.8	8.7	3.6	8.2			
18						30.7	9.1	3.5	8.2			
19						28.7	8.8	3.6	7.9			
20						29.6	8.8	3.5	7.3	56.5		
21						29.2	8.4	3.4	8.1	59.2		
22						27.5	7.8	3.3	9.1	60.3		
23						25.9	8.2	3.0	8.8	60.0		
24						23.5	8.4	2.8	8.3	58.7		
25						21.6	8.4	2.8	8.3	55.9		
26						20.9	8.5	2.7	8.5	52.8		
27						19.7	9.0	2.8	9.1	51.3		
28						19.2	8.8	2.9	16.5	50.9		
29						18.9	8.0	2.8	24.9	47.7		
30						18.3	7.5	2.8	29.3	44.7		
31							7.7	2.8		45.1		
Mean							9.5		8.4			
Max.							17.4	8.1	34.0			
Min.							6.6	2.6	2.5			

TABLE 3  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER:

43-01-017

LOCATION:

Brightsand River at Moberley Lake Narrows

49° 36'N, 90° 34'W

DRAINAGE AREA:

450 sq. miles

GAUGE:

Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1							465	207	128	288	1240	681
2							458	204	125	319	1270	665
3							445	201	132	365	1280	646
4							425	198	154	430	1290	631
5							405	194	199	490	1300	621
6							383	186	231	527	1270	606
7							383	184	251	563	1240	592
8							369	180	260	581	1210	582
9							349	175	272	595	1170	571
10							339	163	274	603	1130	559
11							331	163	274	597	1090	560
12							327	155	277		1060	539
13							318	155	273		1030	516
14							315	152	274		991	512
15							309	151	272		961	
16							299	143	267		935	
17							291	143	260		918	
18							285	158	257		906	
19							277	156	253		894	
20							272	155	244		870	
21							263	153	243		851	
22						622	250	148	241		834	
23						597	247	147	233	834	818	
24						582	245	147	232	835	797	
25						559	236	146	231	829	781	
26						538	226	144	229	817	766	
27						516	227	142	228	860	750	
28						492	221	139	227	990	733	
29						475	220	137	242	1070	713	
30						465	217	134	253	1130	698	
31							213	131		1210		
Mean								161	235			993
Max.								209	284			
Min.								129	121			

TABLE 4

**STREAMFLOW**  
**ALBANY RIVER BASIN**  
**1971**

STATION NUMBER: 43-01-013

LOCATION: Kawashkagama River, 2,000 feet upstream from O'Sullivan Lake.  
 50° 26'N, 87° 09'W.

DRAINAGE AREA: 765 sq. miles.

GAUGE: Float Type/Pressure Type.

Day	DAILY DISCHARGE IN CUBIC FEET PER SECOND											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
1						2380	912	537	317	670	1780	1030
2						2300	883	540	316	762	1790	985
3						2200	847	546	315	940	1800	963
4						2070	821	540	314	1130	1800	940
5						1950	797	533	320	1300	1800	921
6						1890	772	524	316	1450	1800	910
7						1820	747	514	319	1560	1810	899
8						1740	722	505	320	1630	1870	901
9						1670	699	500	312	1670	1660	939
10						1600	675	486	329	1670	1630	985
11						1540	656	474	349	1670	1600	863
12						1490	634	459	351	1630	1560	877
13						1930	1430	636	439	354	1570	1520
14						1870	1370	624	431	364	1510	1480
15						1840	1320	615	416	365	1470	1440
16						1790	1270	619	407	367	1410	1400
17						1780	1230	602	399	377	1380	1370
18						1820	1200	578	389	388	1400	1350
19						1840	1170	568	391	388	1450	1330
20						1900	1170	554	381	394	1490	1330
21						1950	1140	553	374	404	1550	1270
22						1960	1110	546	364	411	1610	1370
23						1990	1100	539	357	422	1640	1160
24						2040	1070	523	346	432	1650	1140
25						2200	1040	513	340	429	1650	1120
26						2310	1000	519	336	428	1640	1100
27						2410	981	501	331	432	1650	1090
28						2430	977	514	325	461	1750	1070
29						2430	951	534	320	521	1730	1050
30						2430	931	536	320	542	1720	1050
31						2430		531	318		1750	771
Mean						1440	638	424	379	1487	1450	846
Max.						2430	920	550	600	1800	2070	1120
Min.						920	492	316	309	600	1020	709

\* No ice correction made during the month.

TABLE 5  
STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-015

LOCATION: Kenogami River below Little Current River  
50° 58' N, 84° 36' W.

DRAINAGE AREA: 17,620 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						50600		18100	5180	39400		
2						47800		17500	5120	49400		
3						45000		16900	5080			
4						42300		16600	5190			
5						39500		15900	5870			
6						37500		15000	9060			
7						36600		13600	15700			
8						36100		12300	19000			
9								11200	19800			
10								10500	19800			
11								10100	19800			
12								10000	21400			
13								10200	23000			
14								10200	92900			
15								10100	21800			
16								9780	20700			
17								9300	19600			
18								8800	18600			
19						11600		8340	17800			
20						11600		7980	17100			
21						11500		7750	15900			
22						11500		7510	15200			
23					62800	11500		7240	14700			
24					59400	11700			14700			
25					56600	11600			15000			
26					58400	11400			15400			
27					62200	11500			15200			
28					61700	12400			15200			
29					59000	14300			19100			
30					56100	16300			29300			
31					53400	17800	5300					
Mean									16100			
Max.									29300			
Min.									5080			

TABLE 6  
 STREAMFLOW  
 ALBANY RIVER BASIN  
 1971

STATION NUMBER: 43-01-018

LOCATION: Muswabik River at outlet of Lorenz Lake  
 51° 32' N, 85° 05' W

DRAINAGE AREA: 730 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1800	261	955	330			
2						1640	229	1120	336			
3						1590	210	1190	347			
4						1360	186	1210	353	1150		
5						1200	176	1240	344	1580		
6						1180	176	1240	338	2040		
7						1130	178	1200	354	2300		
8						1020	181	1150	390	2460		
9						922	183	1130	340	2530		
10						838	185	1220	338	2510		
11						757	187	1130	377	2560		
12						750	190	1080	297	2400		
13						696	192	994	315	2230		
14						644	197	958	298	2120		
15						592	214	856	331	2060		
16						544	234	864	338	1920		
17						512	253	812	339	1740		
18						515	247	749	337	1710		
19						490	212	750	301	1570		
20						468	200	702	338	1660		
21						419	204	676	342			
22						416	222	643	304			
23						3440	362	235	557	330		
24						3320	370	222	496	336		
25						3230	359	229	477			
26						2980	307	363	452			
27						2740	260	321	417			
28						2540	281	378	409			
29						2390	267	528	417			
30						2270	266	639	424			
31						1980	731	379				
Mean						732	263					
Max.						1910	886	1660				
Min.						212	156	358				

TABLE 7

STREAMFLOW  
ALBANY RIVER BASIN  
1971

STATION NUMBER: 43-01-020

LOCATION: Opichuan River at Kellow Lake Narrows  
51°10'N, 87°46'W

DRAINAGE AREA: 440 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							415	561	263	270	706	
2							406	568	258	306	701	
3							403	579	253	345	706	
4							402	579	256	396	703	
5							387	583	260	427	705	
6							362	582	261	450	712	
7							357	577	260	473	699	
8							350	568	258	501	678	
9							343	556	253	533	668	
10						812	336	537	248	560	657	
11						782	330	510	244	576	640	
12						756	323	493	240	585	624	
13						724	317	478	237	586	610	
14						694	312	459	234	590	594	
15						662	306	440	234	583	580	
16						633	300	423	232	578	567	
17						621	295	410	230	581	554	
18						634	289	397	227	585	561	
19						613	301	381	224	610	559	
20						597	309	366	210	620	548	
21						573	315	351	197	622	538	
22						549	316	335	196	620	526	
23						522	310	321	194	615	506	
24						491	302	310	193	612	493	
25						476	309	301	193	604	492	
26						458	310	289	192	597	488	
27						461	304	277	192	626	479	
28						456	326	271	196	677	473	
29						435	432	284	215	681	462	
30						431	520	280	221	681	452	
31								270		702		
Mean							350	430	229	555	589	
Max.							558	586	266	711	717	
Min.							287	266	192	234	450	

TABLE 8

**STREAMFLOW**  
**ALBANY RIVER BASIN**  
**1971**

STATION NUMBER: 43-01-021

LOCATION: Pashkokagan River 1.5 miles downstream from Pashkokagan Lake  
 $51^{\circ} 02'N$ ,  $90^{\circ} 12'W$ 

DRAINAGE AREA: 875 sq. miles

GAUGE: Pressure Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1						1560	1410	1030	664	539	1150	
2						1600	1410	1020	666	533	1180	
3						1590	1420	1010	646	558	1220	
4						1560	1410	1000	635	593	1280	
5						1530	1420	1000	646	588	1390	
6						1530	1350	979	664	599	1440	
7						1520	1310	973	667	605	1450	
8						1520	1370	968	657	606	1480	
9						1570	1320	953	640	631	1520	
10						1550	1240	928	626	655	1560	
11						1540	1230	906	613	658	1610	
12						1540	1240	893	624	655		
13						1550	1240	873	604	669		
14						1550	1240	856	621	693		
15						1540	1210	875	586	690		
16						1530	1160	844	565	681		
17						1520	1140	818	557	695		
18						1500	1120	826	568	717		
19						1500	1090	812	562	827		
20						1480	1090	805	528	793		
21						1500	1100	783	510	799		
22						1530	1090	752	501	808		
23						1520	1060	740	487	827		
24						1490	1050	732	483	844		
25						1470	1050	728	462	858		
26						1450	1030	725	467	870		
27						1460	1020	719	481	921		
28						1480	1020	713	489	1060		
29						1450	1050	701	539	1020		
30						1410	1060	690	514	1020		
31							1050	677		1240		
Mean						1520	1190	849	576	750		
Max.						1640	1620	1050	686	1440		
Min.						1380	945	662	436	508		

TABLE 9  
STREAMFLOW  
SEVERN RIVER BASIN  
1971

STATION NUMBER: 47-04-003  
LOCATION: Flanagan River at Northwind Lake Dam  
52°49'N, 93°27' West  
DRAINAGE AREA: 1063 sq. miles  
GAUGE: Pressure Bulb Type

DAILY DISCHARGE IN CUBIC FEET PER SECOND												
Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							1140	942	755	528	500	
2							1140	942	755	528	500	
3							1140	964	755	528	487	
4							1160	964	755	514	500	
5							1190	964	755	514	514	
6							1210	964	738	514	487	
7							1260	942	721	500	500	
8							1210	964	705	500	514	
9							1190	922	705	487	514	
10							1190	922	689	487	514	
11						1640	1190	902	689	487	514	
12						1610	1190	902	674	487	514	
13						1580	1160	882	674	487	514	
14						1560	1140	902	658	487	514	
15						1540	1120	882	628	487	514	
16						1510	1180	882	613	474	514	
17						1510	1050	863	598	487	500	
18						1480	1050	863	598	500	500	
19						1440	1010	863	569	500		
20						1410	1010	844	569	500		
21						1390	985	844	555	487		
22						1340	964	844	541	487		
23						1320	942	826	541	500		
24						1300	922	826	541	514		
25						1280	922	808	541	514		
26						1260	942	808	541	514		
27						1230	942	790	528	487		
28						1210	942	790	528	460		
29						1190	942	772	528	460		
30						1160	964	755	528	487		
31							942	755		487		
Mean							1080	874	633	497		
Max.							1260	964	755	528		
Min.							942	755	528	460		

TABLE 10  
STREAMFLOW  
SEVERN RIVER BASIN  
1971

STATION NUMBER: 47-01-009  
LOCATION: Schade River one mile downstream from Misiaweya Lake  
53°33'N, 91°09'W  
DRAINAGE AREA: 1,170 sq. miles  
GAUGE: Pressure Bulb Type

Day	DAILY DISCHARGE IN CUBIC FEET PER SECOND											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1							1110	947	536	585	1680	1560
2							1110	947	536	585	1720	1640
3							1140	947	489	636	1600	1740
4							1180	1010	443	610	2030	1990
5							1180	1010	443	662	1810	1440
6							1140	1010	466	712	1680	1760
7							1140	1010	443	772	1760	
8							1140	977	443	800	1280	
9							1180	977	420	829	1520	
10							1250	917	397	858	1360	
11							1250	887	374	887	1610	
12							1280	887	397	977	1440	
13							1360	887	397	1010	1210	
14							1320	858	420	1040	1600	
15							1320	858	466	1070	1990	
16							1250	858	466	1110	1850	
17							1210	829	466	1140	1680	
18							1210	857	489	1180	1680	
19							1180	829	489	1280	1680	
20							1140	800	489	1280	1520	
21							1140	772	512	1280	1210	
22							1110	744	512	1280	1140	
23							1210	1070	716	512	1320	1810
24							1180	1040	716	512	1320	1850
25							1180	1040	716	512	1360	1600
26							1210	1010	689	512	1360	1680
27							1210	1010	662	560	1360	1680
28							1250	977	610	585	1360	1520
29							1180	977	585	585	1400	1140
30							1140	977	560	585	1400	1140
31								947	536		1600	1440
Mean							1180	826	482	1070	1580	
Max.							1360	1010	585	1600	2030	
Min.							947	536	374	585	1140	

TABLE 11  
SNOW COURSE DATA  
70-71

**EQUIPMENT:** Mount Rose Snow Sampler, 10 point snow course

TABLE 11 (Cont.)  
SNOW COURSE DATA  
70-71

EQUIPMENT: Mount Rose Snow Sampler, 10 point snow course

Basin	Albany		Albany		Attawapiskat		Attawapiskat		Winisk	
Station Number	43-44-001		43-04-002		44-04-001		44-04-002		46-04-001	
Station Location	Nakina		Ogoki		Attawapiskat		Pickle Lake		Winisk	
Elevation	1000		550		20		1450		20	
Latitude	50°12'		51°08'		52°56'		51°27'		55°16'	
Longitude W	86°42'		85°58'		82°25'		90°12'		85°12'	
Date	Snow Depth (in.)	Water Equiv. (in.)								
April 1/71										
April 2/71	32.25	6.66	46.70	9.40	36.40	3.38				
April 5/71							46.50	9.40		
April 15/71	14.75	3.15	36.10	6.20	16.60	6.20				
April 17/71							23.7	7.0		
April 30/71										
May 1/71	1.95	0.31	14.20	4.20	2.40	0.90				

TABLE 12  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51°27'	90°13'	Pickle Lake	44-05 002-1	0-4 4-8 8-9 9-10 10-12 12-20 20-23 23-26	Medium brown sand. Medium grey sand. Medium grey sand, and gravel. Medium grey sand. Medium to coarse grey sand. Coarse grey sand, and gravel, silt. Coarse to medium grey sand and fine gravel. Fine grey sand.
51°27'	90°13'	Pickle Lake	44-05 002-2	0-4 4-8 8-9 9-12 12-20 20-23 23-29 29-37 37-41	Medium brown sand. Medium grey sand. Medium grey sand, fine gravel. Medium to coarse grey sand. Coarse grey sand, fine gravel, silt. Coarse to medium grey sand, fine gravel. Fine grey sand, silt. Fine to coarse grey sand, pebbles and gravel. Brown silt, coarse sand, gravel, bedrock.

TABLE 13  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 27'	90° 13'	Pickle Lake	44-05 003	0-2 2-5 5-10 10-12 12-30 30-35 35-37 37-40	Medium brown sand, fine gravel. Medium grey sand, fine gravel. Medium grey sand. Coarse grey sand. Medium and coarse grey sand. Medium to coarse grey sand. Medium to fine grey sand. Pine grey sand.
51° 27'	90° 13'	Pickle Lake On road to Airport	44-05 004	0-2 2-10 10-14 14-19 19-25 25-34 34-40	Medium to fine brown sand. Coarse grey sand, fine gravel. Coarse to medium grey sand, fine gravel. Coarse to medium grey sand. Medium to very coarse grey sand, fine gravel Coarse grey sand, fine gravel. Coarse grey sand, gravel.

TABLE 14  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51°27'	90°13'	Pickle Lake	44-05 005	0-3 3-4 4-9 9-24 24-29 29-39 39-44 44-49 49-54 54-59 59-64 64-69	Fine to medium brown sand. Medium grey sand. Medium to coarse grey sand, gravel. Coarse grey sand, gravel, boulders. Coarse grey sand, gravel, small boulders. Coarse grey sand, gravel boulders. Coarse very loose grey gravel, boulders. Very coarse grey sand, gravel, boulders. Coarse grey sand, fine gravel Coarse grey gravel, sand, boulders. Coarse grey sand, gravel, broken boulders. Medium grey sand, fine gravel, silt.

TABLE 15  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 29'	90° 11'	Central Patricia	44-05 006-1	0-3	Fine brown sand.
				3-15	Fine to medium grey sand, Pyrite.
				15-20	Fine to medium grey sand.
				20-35	Fine to medium grey sand, Pyrite.
				35-40	Fine to coarse grey sand.
				40-45	Fine to medium grey sand, silt.
				45-48	Fine to medium grey sand.
				48-50	Medium to coarse grey sand, gravel.
				50-52	Coarse grey sand, gravel.
				0-14	As above
51° 29'	90° 11'	Central Patricia	44-05 006-2	0-3	Fine brown sand, silt.
				3-20	Fine to medium grey sand, silt.
51° 29'	90° 11'	Central Patricia	44-05 007-1	0-9.8	As above.

TABLE 16

## OBSERVATION WELL LOGS

## ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51° 29'	90° 12'	Central Patricia	44-05 008-1	0-1 1-7 7-10 10-11 11-15 15-19 19-29 29-32 32-36 36-40	Fine brown sand. Fine grey sand. Fine to medium grey sand. Fine grey sand. Fine to medium grey sand. Fine grey sand. Fine to medium grey sand, silt, Pyrite Fine to medium grey sand, silt. Fine to coarse grey sand, gravel. Coarse grey sand, gravel.
51° 29'	90° 12'	Central Patricia	44-05 008-2	0-36	As above

TABLE 17  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51°28'	90°13'	Pickle Lake (Lands and Forests)	44-05 009	0-3 3-5 5-8 8-12 12-18 18-22 22-28 28-30	Fine white sand, organic material. Medium, grey sand. Medium very dry, grey sand. Fine grey sand, pebbles. Fine to medium whitish sand. Fine to medium grey sand. Medium to coarse grey sand. Coarse grey sand, bedrock.
51°28'	90°13'	Pickle Lake (On road to Airport)	44-05 010	0-1 1-5 5-11 11-17 17-20 20-36 36-38 38-41 41-52 52-53	Medium brown sand, organic material. Medium grey sand, pebbles. Medium to coarse grey sand. Coarse to medium grey sand, silt, Pyrite. Coarse to medium grey sand, gravel silt. Coarse grey sand, gravel, large pebbles. Medium to fine grey sand. Coarse grey sand, Pyrite. Coarse to medium grey sand, silt, fine gravel. Medium to coarse grey sand, silt, broken pebbles, bedrock.

TABLE 18  
OBSERVATION WELL LOGS  
ATTAWAPISKAT RIVER BASIN

LOCATION			Well No.	Depth Below Surface (feet)	DESCRIPTION
Latitude North	Longitude West	Field Location			
51°27'	90°14'	Central Patricia Behind Central Patricia Hotel	44-05 011	8.0	0-3 Ft. Top soil, peat. 3-5 Ft. Fine to coarse sand and some silt.

TABLE 19  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No: 43-05-001-1R (6100599) \*  
 Location: Anaconda Road at Kowkash Road  
 50°20'N; 87°05'W  
 Elevation: 1090 feet.  
 Type: Rotary, 2" I. D. casing.  
 Aquifer or Geological Material: Silt and Clay  
 Depth: 60 Feet  
 Recording Commenced: June 20th, 1969  
 Measuring Point: Top of casing, 2.92 Feet above Ground Surface.  
 \* Water Well Log No.

Average Daily Water Level From Ground Surface in Feet.

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	26.72	27.26	27.64			26.66	26.35	26.95	27.45	27.68		
2	26.73	27.31				26.63	26.37	26.98	27.44	27.71		
3	26.78	27.33				26.63	26.37	27.07	27.46	27.67		
4	26.79	27.33				26.65	26.36	27.10	27.48	27.63		
5	26.79	27.29				26.58	26.37	27.09	27.48	27.65		
6	26.82	27.29				26.51	26.40	27.10	27.49	27.67		
7	26.85	27.34				26.51	26.45	27.10	27.50	27.66		
8	26.86	27.37				26.51	26.45	27.13	27.54	27.64		
9	26.86	27.39				26.50	26.47	27.16	27.58	27.62		
10	26.86	27.39				26.47	26.50	27.15	27.56	27.59		
11	26.89	27.40				26.45	26.53	27.20	27.56	27.56		
12	26.92	27.44				26.43	26.53	27.23	27.58	27.56		
13	27.47					26.41	26.48	27.26	27.60	27.54		
14	27.46				27.15	26.41	26.51	27.26	27.60	27.49		
15	27.48				27.10	26.41	26.53	27.26	27.64	27.51		
16	27.09	27.50			27.08	26.39	26.56	27.27	27.69	27.54		
17	27.07	27.49			27.04	26.36	26.60	27.28	27.71	27.48		
18	27.03	27.52			26.99	26.34	26.63	27.28	27.71			
19	27.03	27.53			26.98	26.35	26.65	27.31	27.67			
20	27.02	27.54			26.93	26.32	26.68	27.33	27.69			
21	27.03	27.55			26.93	26.35	26.67	27.36	27.71			
22	27.06	27.56			26.93	26.33	26.71	27.39	27.72			
23	27.10	27.56			26.91	26.31	26.75	27.42	27.72			
24	27.13	27.56			26.85	26.33	26.80	27.43	27.76			
25	27.16	27.57			26.79	26.33	26.80	27.43	27.78			
26	27.17	27.57			26.80	26.35	26.83	27.46	27.79			
27	27.18	27.57			26.80	26.33	26.88	27.47	27.79			
28	27.18	27.60			26.76	26.31	26.86	27.47	27.76			
29	27.18				26.72	26.34	26.86	27.47	27.69			
30	27.19				26.74	26.34	26.90	27.48	27.74			
31	27.21				26.71		26.91	27.45				

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

**TABLE 20**

Observation Well No: 43-05-002-1 (6100609)  
 Location: Anaconda Road near O'Sullivan Lake  
 50°25'N; 87°08'W  
 Elevation: 980 Feet  
 Type: Rotary, 2" ID casing.  
 Aquifer or Geological Material: Fine sand and gravel  
 Depth: 42 Feet  
 Recording Commenced: June 20, 1969  
 Measuring Point: Top of casing, 2.83 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Jan. 5	7.94	July 25	8.05
Feb. 7	8.17	Aug. 21	8.20
Apr. 4	8.20	Sept. 19	8.23
May 2	8.18	Oct. 18	8.05
May 30	7.93	Nov. 14	8.05
June 27	7.96	Dec. 12	8.17

**TABLE 21**

Observation Well No: 43-05-002-2 (6100609)  
 Location: Anaconda Road near O'Sullivan Lake  
 50°25'N; 87°08'W  
 Elevation: 980 Feet  
 Type: Rotary, 2" ID casing.  
 Aquifer or Geological Material: Fine sand and gravel  
 Depth: 33 Feet  
 Recording Commenced: June 20, 1969  
 Measuring Point: Top of casing.

**Distance to Water Level below Top of Casing in Feet.**

Date	Feet	Date	Feet
Jan. 5	10.16	Jul. 25	10.06
Feb. 7	10.99	Aug. 21	10.38
Apr. 4	10.70	Sept. 19	10.16
May 2	10.40	Oct. 18	10.30
May 30	10.16	Nov. 14	10.13
Jun. 27	10.16	Dec. 12	10.33

TABLE 22  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No: 43-05-003 R (1601461)  
 Location: 18 Miles North of Calstock  
 $50^{\circ}04'N$ ;  $84^{\circ}08'W$   
 Elevation: No Bench Mark  
 Type: Rotary, 2" I. D. casing.  
 Aquifer or Geological Material: Sand and Gravel  
 Depth: 120 Feet  
 Recording Commenced: June 19th, 1969  
 Measuring Point: Top of Casing 3.00 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	80.53	80.75	80.94	81.11	80.83	80.30	80.82	80.28	80.56	80.49	80.20	80.47
2	80.54	80.76	80.94	81.11	80.81	80.30	80.84	80.29	80.56	80.46	80.20	80.47
3	80.56	80.78	80.93	81.12	80.78	80.31	80.86	80.30	80.56	80.43	80.19	80.47
4	80.56	80.78	80.94	81.13	80.74	80.33	80.88	80.31	80.55	80.40	80.20	80.49
5	80.57	80.77	80.95	81.14	80.72	80.34	80.85	80.33	80.55	80.36	80.20	80.50
6	80.58	80.80	80.95	81.16	80.68	80.35	80.81	80.34	80.53	80.32	80.21	80.50
7	80.58	80.80	80.95	81.17	80.65	80.38	80.78	80.34	80.53	80.29	80.23	80.50
8	80.60	80.80	80.96	81.18	80.61	80.40	80.73	80.36	80.53	80.26	80.24	80.48
9	80.60	80.80	80.97	81.19	80.57	80.42	80.70	80.35	80.53	80.25	80.25	80.46
10	80.62	80.82	80.97	81.20	80.54	80.44	80.67	80.35	80.53	80.24	80.28	80.44
11	80.63	80.82	80.98	81.21	80.49	80.46	80.63	80.35	80.53	80.22	80.28	80.43
12	80.63	80.82	80.99	81.21	80.48	80.48	80.59	80.35	80.53	80.21	80.29	80.43
13	80.64	80.82	81.00	81.20	80.47	80.50	80.54	80.36	80.52	80.20	80.30	80.43
14	80.65	80.83	81.00	81.19	80.46	80.51	80.50	80.37	80.52	80.19	80.30	80.42
15	80.67	80.85	81.00	81.20	80.45	80.53	80.47	80.37	80.51	80.19	80.31	80.41
16	80.67	80.85	81.02	81.19	80.44	80.54	80.43	80.38	80.51	80.20	80.32	80.41
17	80.68	80.85	81.03	81.18	80.43	80.56	80.39	80.39	80.51	80.21	80.32	80.41
18	80.70	80.87	81.02	81.18	80.42	80.59	80.35	80.39	80.53	80.22	80.33	80.40
19	80.71	80.87	81.02	81.15	80.41	80.61	80.30	80.39	80.54	80.23	80.34	80.39
20	80.71	80.88	81.02	81.11	80.40	80.62	80.28	80.40	80.56	80.23	80.35	80.38
21	80.72	80.89	81.02	81.07	80.39	80.65	80.25	80.41	80.56	80.23	80.36	80.39
22	80.74	80.89	81.03	81.01	80.38	80.65	80.23	80.41	80.56	80.23	80.36	80.38
23	80.75	80.89	81.03	80.99	80.37	80.67	80.25	80.43	80.57	80.22	80.37	80.37
24	80.73	80.90	81.07	80.97	80.36	80.68	80.26	80.44	80.57	80.20	80.38	80.37
25	80.73	80.91	81.06	80.95	80.35	80.70	80.26	80.45	80.59	80.19	80.39	80.34
26	80.73	80.91	81.07	80.93	80.34	80.71	80.26	80.46	80.59	80.18	80.40	80.35
27	80.72	80.90	81.08	80.91	80.33	80.74	80.26	80.49	80.60	80.18	80.41	80.33
28	80.73	80.92	81.08	80.89	80.32	80.76	80.26	80.50	80.58	80.19	80.41	80.32
29	80.74		81.09	80.87	80.31	80.78	80.26	80.50	80.55	80.19	80.42	80.34
30	80.74		81.10	80.85	80.30	80.80	80.27	80.51	80.52	80.19	80.45	80.34
31	80.75		81.10		80.30		80.27	80.56		80.19		80.31

TABLE 23  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No: 43-05-004R  
 Location: Albany River West of Hat Island  
 51°45'N; 83°55'W  
 Elevation: 299.9 Feet Above Sea Level  
 Type: Rotary, 2-3/8" I.D. casing.  
 Aquifer or Geological Material: Limestone  
 Depth: 150 Feet  
 Recording Commenced: August 3rd, 1968  
 Measuring Point: Top of Casing, 3 Feet Above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Nov	Dec
1						8.93	10.90	11.32	12.00	11.53	10.22
2						8.91	11.01	11.26	11.95	11.53	10.20
3						8.98	11.00	11.28	12.13	11.18	10.13
4						9.20	10.93	11.30	12.20	10.83	10.20
5						9.20	10.94	11.23	12.26	10.78	10.18
6						9.07	11.05	11.18	12.17	10.66	10.00
7						9.25	11.21	11.13	12.13	10.56	10.14
8						9.34	11.14	11.09	12.12	10.47	10.37
9						9.39	11.22	11.03	12.12	10.42	10.24
10						9.42	11.36	11.02	12.01	10.24	10.22
11						9.41	11.42	11.10	12.02	10.18	10.29
12						9.45	11.33	11.06	11.97	10.30	10.21
13						9.54	11.23	11.25	11.83	10.28	10.28
14						9.67	11.32	11.36	11.66	10.20	10.36
15						9.79	11.35	11.33	11.75	10.39	10.34
16						9.86	11.42	11.30	11.87	10.61	10.33
17						9.89	11.45	11.38	11.97	10.48	10.40
18						10.00	11.45	11.27	11.96	10.45	10.42
19						10.15	11.47	11.24	11.85	10.36	10.19
20						8.76	10.23	11.51	11.30	11.83	10.50
21						8.89	10.33	11.39	11.36	11.95	10.46
22						8.92	10.30	11.45	11.47	12.01	10.43
23						8.89	10.30	11.48	11.61	11.90	10.43
24						8.83	10.42	11.51	11.61	11.97	10.42
25						8.80	10.47	11.33	11.67	12.00	10.38
26						8.89	10.52	11.38	11.78	12.01	10.22
27						8.90	10.55	11.45	11.80	11.95	10.12
28						8.82	10.52	11.36	11.84	11.79	10.14
29						8.74	10.68	11.31	11.85	11.76	10.50
30						8.91	10.76	11.42	12.00	11.87	10.47
31						8.96	11.42	12.03			10.08

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

**TABLE 24**

Observation Well No: 43-05-007-1 (6100598)  
 Location: Kowkash Road west of Anaconda Road  
 50°20'N; 87°05'N  
 Elevation: 1090 Feet  
 Type: Rotary, 1 $\frac{1}{4}$ " ID casing.  
 Aquifer or Geological Material: Sand, silt.  
 Depth: 65 Feet  
 Recording Commenced: June 20, 1969  
 Measuring Point: Top of Casing, 4.90 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Jan. 5	47.34	July 25	47.40
Feb. 7	47.52	Aug. 21	47.85
Apr. 4	47.92	Sept. 19	48.28
May 2	47.67	Oct. 18	48.99
May 30	47.36	Nov. 14	47.70
Jun 27	47.21	Dec. 12	47.90

**TABLE 25**

Observation Well No: 43-05-008-2 (6100597)  
 Location: Anaconda Road north of Kowkash Road  
 50°20'N; 87°05'N.  
 Elevation: 1000.4 assumed elevation of BM is 1000 feet  
 Type: Rotary, 1 $\frac{1}{4}$ " ID casing.  
 Aquifer or Geological Material: Clay  
 Depth: 67 Feet  
 Recording Commenced: August 18, 1969  
 Measuring Point: Top of casing, 3.70 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Jan. 5	20.39	July 25	25.46
Feb. 7	24.26	Aug. 21	26.32
Apr. 4	26.75	Sept. 19	26.62
May 2	27.15	Oct. 18	26.75
May 30	27.06	Nov. 14	27.69
Jun 27	25.35	Dec. 12	26.76

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

TABLE 26

Observation Well No: 43-05-009 (1601460)  
 Location: 18 Miles north of Calstock  
 50°04'N; 84°08'N  
 Elevation: 600 Feet  
 Type: Rotary, 1 1/4" ID casing.  
 Aquifer or Geological Material: Gravel  
 Depth: 199 Feet  
 Recording Commenced: June 19, 1969  
 Measuring Point: Top of casing, 3.50 feet above ground surface

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Jan. 2	82.00	Aug. 8	81.97
Feb. 3	82.00	Sept. 3	79.57
Mar. 8	82.20	Oct. 3	81.40
Apr. 4	82.94	Oct. 30	81.55
May 2	82.45	Dec. 5	81.20
June 3	80.15	Dec. 27	81.20
July 4	80.96		

TABLE 27

Observation Well No: 43-05-014-1 (6100799)  
 Location: Hwy 643 (1.5 miles west of Hwy 584)  
 50°10'N; 86°49'W  
 Elevation: 1105 Feet  
 Type: Driven, 2" ID casing.  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 27 Feet  
 Recording Commenced: July 19, 1970  
 Measuring Point: Top of casing, 3.46 feet above ground surface

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Feb. 8	11.56	Aug. 21	10.64
Apr. 5	12.20	Sept. 19	11.49
May 5	12.04	Oct. 19	12.54
May 31	10.53	Nov. 14	12.54
June 27	10.33	Dec. 12	11.14
July 25	10.68		

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

**TABLE 28**

Observation Well No: 43-05-014-2P (6100798)  
 Location: Hwy 643(1.5 miles west of Hwy 584)  
                   50°10'N; 86°49'W  
 Elevation: 1105 Feet  
 Type: Jetted, (Ceramic piezometer)  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 93.5 Feet  
 Recording Commenced: August 11, 1970  
 Measuring Point: Top of casing, 4.90 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Feb. 8	10.15	July 25	8.80
Apr. 5	11.50	Sept. 19	10.23
May 2	10.50	Oct. 19	9.40
May 31	8.30	Nov. 14	9.30
Jun. 27	8.17	Dec. 12	8.85

**TABLE 29**

Observation Well No: 43-05-014-3P (6100802)  
 Location: Hwy 643 (1.5 miles west of Hwy 584)  
                   50°10'N; 86°49'W.  
 Elevation: 1105 Feet  
 Type: Jetted, (ceramic piezometer)  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 46 Feet  
 Recording Commenced: August 11, 1970  
 Measuring Point: Top of casing, 4.50 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

Date	Feet	Date	Feet
Feb. 8	15.90	Aug. 21	14.80
Apr. 6	15.40	Aug. 25	14.38
May 2	13.63	Sept. 19	14.65
May 31	13.65	Oct. 19	14.68
Jun. 27	14.00	Nov. 14	13.80
July 25	14.35	Dec. 12	14.20

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

**TABLE 30**

Observation Well No:	43-05-014-4 (6100796)
Location:	Hwy 643 (1.5 miles west of Hwy 584) 50°10'N; 86°49'W
Elevation:	1105 Feet
Type:	Jetted, 2" ID casing
Aquifer or Geological Material:	Sand and gravel
Depth:	93.5 Feet
Recording Commenced:	December 15, 1970
Measuring Point:	Top of casing, 3.50 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

<b>Date</b>	<b>Feet</b>	<b>Date</b>	<b>Feet</b>
Feb. 8	22.52	Aug. 21	19.11
Apr. 5	21.56	Sept. 19	19.37
May 2	20.65	Oct. 19	19.95
May 31	19.90	Nov. 14	19.42
Jun 27	18.58	Dec. 12	19.46
July 25	18.87		

**TABLE 31**

Observation Well No:	43-05-015-2P (6100794)
Location:	Fleming Lake Road west of Hwy. 643 50°10'N; 86°50'W
Elevation:	1105 Feet
Type:	Jetted, (ceramic piezometer)
Aquifer or Geological Material:	Sand
Depth:	95 Feet
Recording Commenced:	September 30, 1970
Measuring Point:	Top of casing.

**Distance to Water Level below Top of Casing in Feet**

<b>Date</b>	<b>Feet</b>	<b>Date</b>	<b>Feet</b>
May 2	28.40	Aug. 21	28.40
May 31	25.40	Sept. 19	28.41
Jun 27	27.30	Oct. 19	27.25
July 25	27.44	Nov. 14	27.15

**TABLE 32**  
**OBSERVATION WELL DATA**  
**ALBANY RIVER BASIN**  
**1971**

Observation Well No: 43-05-015-1R  
 Location: Fleming Lake Road west of Hwy. 643  
 50°10'N; 86°50'W.  
 Elevation: 1099.55 Above Mean Sea Level  
 Type: Jetted, (Ceramic piezometer)  
 Aquifer or Geological Material: Silty Sand  
 Depth: 46 Feet  
 Recording Commenced: July 15, 1970  
 Measuring Point: Top of casing, 2.88 feet above ground surface

**Average Daily Water Level from Ground Surface in Feet**

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug	Sep	Oct	Nov	Dec
1						3.84	4.26	4.72				
2						3.88	4.30	4.73				
3						3.92	4.34					
4						3.97	4.36					
5						3.98	4.37					
6						3.99	4.40					
7						4.00	4.42					
8					3.79	4.00	4.43					
9					3.80	4.00	4.45					
10					3.82	4.01	4.46					
11					3.84	4.01	4.47					
12					3.85	4.01	4.48					
13					3.87	4.03	4.49					
14					3.89	4.06	4.50					
15					3.93	4.09	4.52					
16					3.95	4.13	4.51					
17					3.91	4.13	4.54					
18					3.71	4.00	4.59					
19					3.71	4.01	4.65					
20					3.70	3.99	4.68					
21					3.69	3.98	4.69					
22					3.69	3.99	4.71					
23					3.67	4.02	4.72					
24					3.61	4.07	4.73					
25					3.33	4.11	4.73					
26					3.39	4.15	4.73					
27					3.52	4.17	4.73					
28					3.61	4.19	4.72					
29					3.67	4.23	4.71					
30					3.74	4.24	4.70					
31					3.78		4.71					

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

TABLE 33

Observation Well No: 43-05-015-3P (6100793)  
 Location: Fleming Lake Road west of Hwy. 643  
 50°10'N; 86°50'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Silty sand  
 Depth: 45 Feet  
 Recording Commenced: July 15, 1970  
 Measuring point: Top of casing, 2.88 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Apr. 5	3.05	Aug. 21	4.42
May 2	0.82	Sept. 19	4.06
May 31	0.87	Oct. 19	3.14
Jun 27	3.42	Nov. 14	3.24
July 25	3.42	Dec. 12	3.12

TABLE 34

Observation Well No: 43-05-016-1 (6100800)  
 Location: Hwy 643 (2  $\frac{1}{4}$  miles west of Hwy 584)  
 50°10'N; 86°51'W  
 Elevation: 1105 Feet  
 Type: Driven, 2" ID casing  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 27 Feet  
 Recording Commenced: July 15, 1970  
 Measuring Point: Top of casing, 341 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet	Date	Feet
Jan. 5	9.74	Jul. 25	8.79
Feb. 8	9.17	Aug. 21	8.75
Apr. 4	9.74	Sept. 19	7.17
May 2	10.06	Oct. 19	8.91
Jun 1	7.63	Nov. 14	8.47
Jun 27	7.92	Dec. 12	8.59

TABLE 35  
OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971

Observation Well No: 43-05-016-2R (6100803)  
 Location: Hwy. 643 (2  $\frac{1}{4}$  Miles West of Hwy. 584)  
 50°10'N; 86°51'W  
 Elevation: 1105 Feet  
 Type: Jetted, 2" I. D. casing.  
 Aquifer or Geological Material: Sand and Gravel  
 Depth: 68.3 Feet  
 Recording Commenced: July 15th, 1970  
 Measuring Point: Top of Casing 3.41 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1						34.07	33.77	33.92	34.24	34.44	33.91	33.95
2						34.04	33.79	33.91	34.23	34.44	33.92	33.96
3						34.01	33.81	33.91	34.23	34.43	33.93	33.97
4						33.98	33.80	33.91	34.23	34.40	33.93	33.97
5						33.97	33.79	33.92	34.24	34.39	33.93	33.98
6						33.92	33.80	33.94	34.24	34.38	33.92	33.98
7						33.90	33.81	33.94	34.24	34.38	33.92	33.98
8						34.57	33.89	33.83	33.96	34.24	34.37	33.92
9						34.55	33.88	33.84	33.96	34.24	34.35	33.92
10						34.54	33.86	33.85	33.96	34.25	34.33	33.91
11						34.51	33.86	33.86	33.96	34.25	34.31	33.91
12						34.49	33.84	33.86	33.99	34.25	34.30	33.91
13						34.47	33.83	33.85	34.02	34.25	34.29	33.90
14						34.45	33.82	33.85	34.04	34.25	34.27	33.92
15						34.44	33.82	33.85	34.07	34.26	34.26	33.94
16						34.42	33.82	33.85	34.10	34.26	34.27	33.94
17						34.40	33.81	33.86	34.11	34.26	34.27	33.94
18						34.38	33.79	33.87	34.12	34.26	34.25	33.92
19						34.38	33.78	33.88	34.14	34.26	34.21	33.91
20						34.36	33.78	33.89	34.15	34.26	34.19	33.90
21						34.34	33.77	33.89	34.17	34.27	34.19	33.91
22						34.33	33.77	33.90	34.17	34.27	34.18	33.92
23						34.32	33.77	33.91	34.20	34.27	34.16	33.93
24						34.29	33.76	33.91	34.21	34.32	34.13	33.94
25						34.27	33.77	33.91	34.21	34.38	34.12	33.94
26						34.25	33.77	33.93	34.21	34.44	34.09	33.94
27						34.24	33.77	33.93	34.21	34.48	34.06	33.94
28						34.21	33.77	33.93	34.22	34.47	34.04	33.94
29						34.15	33.77	33.92	34.23	34.46	34.04	33.94
30						34.12	33.77	33.92	34.24	34.45	34.05	33.95
31						34.10		33.92	34.25		33.91	

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

**TABLE 36**

Observation Well No: 43-05-016-3 P (6100792)  
 Location: Hwy 683 (2.25 miles west of Hwy 584)  
 50°10'N; 86°51'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Sand and gravel  
 Depth: 45 Feet  
 Recording Commenced: July 18, 1970  
 Measuring Point: Top of casing

**Distance to Water Level below Top of Casing in Feet**

<b>Date</b>	<b>Feet</b>	<b>Date</b>	<b>Feet</b>
Jan. 5	12.18	July 25	10.70
Feb. 8	11.99	Aug. 21	11.71
Apr. 4	10.40	Sept. 19	12.00
May 2	9.90	Oct. 19	11.35
Jun 1	8.40	Nov. 14	10.70
Jun 27	10.20	Dec. 12	11.00

**TABLE 37**

Observation Well No: 43-05-017-1 P (6100790)  
 Location: Cordingley Road at Balkam Creek  
 50°12'N; 86°42'W  
 Elevation: 1105 Feet  
 Type: Jetted (ceramic piezometer)  
 Aquifer or Geological Material: Gravel  
 Depth: 30 Feet  
 Recording Commenced: August 11, 1970  
 Measuring Point: Top of casing, 3.02 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

<b>Date</b>	<b>Feet</b>	<b>Date</b>	<b>Feet</b>
Feb. 6	Frozen	Aug. 21	2.19
Apr. 5	Frozen	Sept. 19	0.18
May 31	Frozen	Oct. 19	+1.39
Jun 27	+0.32	Nov. 14	0.98
July 25	0.64	Dec. 12	Frozen

**OBSERVATION WELL DATA  
ALBANY RIVER BASIN  
1971**

**TABLE 38**

Observation Well No:	43-05-017-2P (6100790)
Location:	Cordingley Road at Balkam Creek
	50°12'N; 86°42'W
Elevation:	1105 Feet
Type:	Jetted (ceramic piezometer)
Aquifer or Geological Material:	Silt
Depth:	15 Feet
Recording Commenced:	September 3, 1970
Measuring Point:	Top of casing, 3.04 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

<b>Date</b>	<b>Feet</b>	<b>Date</b>	<b>Feet</b>
Feb. 6	Frozen	Aug. 21	3.34
Apr. 5	Frozen	Sept. 19	0.36
May 31	+2.72	Oct. 19	+1.04
June 27	+0.04	Nov. 14	Frozen
July 25	0.81	Dec. 12	Frozen

**TABLE 39**

Observation Well No:	43-05-018 (6100789)
Location:	North of Nakina
	50°12'N; 86°40'W
Elevation:	1105 Feet
Type:	Jetted, 2" ID casing.
Aquifer or Geological Material:	Sand
Depth:	50 Feet
Recording Commenced:	September 3, 1970
Measuring Point:	Top of casing, 3.04 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

<b>Date</b>	<b>Feet</b>	<b>Date</b>	<b>Feet</b>
Dec. 31	16.34	July 25	16.01
Feb. 6	16.79	Aug. 21	16.53
Apr. 5	Dry	Sept. 19	16.63
May 2	18.62	Oct. 19	16.42
May 31	16.02	Nov. 14	16.36
Jun. 27	15.87	Dec. 12	16.86

TABLE 40  
OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

Observation Well No:	44-05-001 R
Location:	Badesdawa Lake Outlet 51°51'N; 89°36'W
Elevation:	1130.2 (Based on Inland Waters Branch BM)
Type:	Rotary, 2-3/8" I. D. casing.
Aquifer or Geological Material:	Fine and very fine sand with some silt
Depth:	86.5 Feet
Recording Commenced:	August 23rd, 1967
Measuring Point:	Top of Casing 3.0 Feet above Ground Surface

Average Daily Water Level From Ground Surface in Feet

Day	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
1	41.68	42.68	43.50	43.95	41.24	38.81	40.51	40.16	41.22	42.84	41.48	
2	41.73	42.72	43.53	43.96	41.17	38.85	40.57	39.99	41.30	42.85	41.51	
3	41.78	42.77	43.55	43.98	41.07	38.90	40.65	39.86	41.38	42.85	41.55	
4	41.81	42.82	43.55	44.00	40.87	38.97	40.70	39.75	41.46	42.84	41.58	
5	41.85	42.85	43.56	44.01	40.64	39.04	40.75	39.65	41.53	42.80	41.61	
6	41.89	42.87	43.58	44.01	40.40	39.10	40.80	39.59	41.60	42.76	41.66	
7	41.93	42.90	43.61	44.02	40.08	39.17	40.86	39.55	41.67	42.73	41.72	
8	41.97	42.94	43.62	44.01	39.77	39.24	40.92	39.54	41.74	42.69	41.77	
9	41.98	42.98	43.64	44.01	39.42	39.31	40.99	39.53	41.80	42.65	41.82	
10	42.02	43.00	43.65	44.03	39.18	39.37	41.07	39.55	41.86	42.60	41.88	
11	42.07	43.04	43.65	44.02	39.03	39.42	41.12	39.57	41.90	42.55	41.95	
12	42.11	43.08	43.65	44.00	38.86	39.47	41.17	39.62	41.95	42.51	42.01	
13	42.14	43.13	43.64	44.00	38.65	39.53	41.21	39.68	41.99	42.48	42.07	
14	42.17	43.15	43.67	43.99	38.57	39.60	41.26	39.75	42.04	42.44	42.14	
15	42.20	43.17	43.70	43.98	38.47	39.66	41.30	39.81	42.08	42.44	42.24	
16	42.23	43.20	43.72	43.97	38.44	39.73	41.37	39.87	42.13	42.44	42.32	
17	42.26	43.21	43.73	43.94	38.44	39.79	41.41	39.94	42.19	42.45	42.39	
18	42.29	43.25	43.74	43.91	38.44	39.83	41.43	40.01	42.25	42.48	42.49	
19	42.32	43.29	43.77	43.85	38.45	39.90	41.46	40.08	42.30	42.48	42.58	
20	42.33	43.32	43.77	43.81	38.47	39.95	41.50	40.16	42.34	42.52	42.67	
21	42.33	43.35	43.80	43.73	38.49	40.01	41.53	40.25	42.39	42.54	42.79	
22	42.34	43.37	43.81	43.46	38.52	40.05	41.57	40.33	42.45	42.55	42.88	
23	42.37	43.38	43.83	43.07	38.55	40.08	41.60	40.42	42.49	42.25	42.97	
24	42.39	43.40	43.86	42.65	38.57	40.11	41.64	40.50	42.55	41.86	43.06	
25	42.44	43.41	43.86	42.30	38.58	40.16	41.65	40.58	42.59	41.80	43.14	
26	42.48	43.42	43.86	42.02	38.60	40.22	42.67	40.67	42.64	41.73	43.22	
27	42.51	43.44	43.86	41.78	38.62	40.27	42.66	40.77	42.69	41.64	43.32	
28	42.56	43.46	43.86	41.57	38.65	40.33	42.62	40.87	42.75	41.65	43.42	
29	42.59		43.91	41.42	38.67	40.38	41.42	40.96	42.79	41.44		
30	42.61		43.93	41.32	38.71	40.45	40.84	41.04	42.83	41.40		
31	42.64		43.94		38.77		40.41	41.14		41.44		

OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

TABLE 41

Observation Well No: 44-05-002-1 (3100578)  
 Location: Pickle Lake  
 $51^{\circ}27'N$ ;  $90^{\circ}13'W$   
 Elevation: 1200 Feet  
 Type: Driven, 2" ID casing.  
 Aquifer or Geological Material: Medium sand and fine gravel  
 Depth: 26 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.84 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	16.00
Dec. 4	16.17

TABLE 42

Observation Well No: 44-05-002-2 (3100577)  
 Location: Pickle Lake  
 $51^{\circ}27'N$ ;  $90^{\circ}13'W$   
 Elevation: 1200 Feet  
 Type: Jetted,  $2\frac{1}{2}$ " I. D. casing.  
 Aquifer or Geological Material: Medium sand, fine gravel  
 Depth: 41 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.52 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	15.86
Dec. 4	16.00

TABLE 43

Observation Well No: 44-05-003 (3100569)  
 Location: Pickle Lake  
 $51^{\circ}27'N$ ;  $90^{\circ}13'W$   
 Elevation: 1200 Feet  
 Type: Jetted,  $1\frac{1}{2}$ " ID casing.  
 Aquifer or Geological Material: Medium sand, fine gravel  
 Depth: 40.5 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 2.70 feet above ground surface.

Distance to Water Level from Ground Surface in Feet

Date	Feet
Oct. 17	26.92
Nov. 6	25.99
Dec. 4	27.29

**OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971**

**TABLE 44**

Observation Well No: 44-05-004 (3100570)  
 Location: Pickle Lake (on road to Airport)  
 51°27'N; 90°13'W  
 Elevation: 1200 Feet  
 Type: Jetted, 3" ID. casing.  
 Aquifer or Geological Material: Medium to coarse sand and fine gravel  
 Depth: 40 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 1.30 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

<u>Date</u>	<u>Feet</u>
Nov. 6	29.17
Dec. 4	29.33

**TABLE 45**

Observation Well No: 44-05-005 (3100571)  
 Location: Pickle Lake  
 51° 27' N; 90° 13'W  
 Elevation: 1200 Feet  
 Type: Jetted, 2" I.D. casing.  
 Aquifer or Geological Material: Course sand and gravel  
 Depth: 69 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of Casing, 4.21 feet above ground surface.

**Distance to Water Level from Ground Surface in Feet**

<u>DATE</u>	<u>FEET</u>
Nov. 6	46.94
Dec. 4	47.00

**TABLE 46**

Observation Well No: 44-05-006-1 (3100572)  
 Location: Central Patricia  
 51°29'N; 90°11'W  
 Elevation: 1240 Feet  
 Type: Jetted 1 1/2" ID casing.  
 Aquifer or Geological Material: Fine to medium sand, and gravel  
 Depth: 52 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.33 feet above ground surface

**Distance to Water Level from Ground Surface in Feet**

<u>Date</u>	<u>Feet</u>
Nov. 6	9.79
Dec. 4	9.80

OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971

TABLE 47

Observation Well No: 44-05-006-2 (3100572)  
 Location: Central Patricia  
 $51^{\circ}29'N$ ;  $90^{\circ}11'W$   
 Elevation: 1240 Feet  
 Type: Jetted,  $1\frac{1}{2}$ " ID casing.  
 Aquifer or Geological Material: Fine sand  
 Depth: 14 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.46 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	9.75
Dec. 4	9.68

TABLE 48

Observation Well No: 44-05-007-1 (3100573)  
 Location: Central Patricia  
 $51^{\circ}29'N$ ;  $90^{\circ}11'W$   
 Elevation: 1260 Feet  
 Type: Jetted,  $1\frac{1}{2}$ " ID casing.  
 Aquifer or Geological Material: Fine sand and silt  
 Depth: 20 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing, 3.13 feet from ground surface

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 6	3.86
Dec. 4	4.69

TABLE 49

Observation Well No: 44-05-007-2 (3100573)  
 Location: Central Patricia  
 $51^{\circ}29'N$ ;  $90^{\circ}11'W$   
 Elevation: 1260 Feet  
 Type: Jetted,  $1\frac{1}{2}$ " I.D. Casing  
 Aquifer or Geological Material: Fine sand and silt  
 Depth: 9.8 Feet  
 Recording Commenced: November 6, 1971  
 Measuring Point: Top of casing 2.42 feet above ground surface

Distance to Water Level from Ground Surface in Feet

Date	Feet
Nov. 4	3.90
Dec. 6	4.76

**OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971**

**TABLE 50**

Observation Well No:	44-05-008-1 (3100574)
Location:	Central Patricia 51°29'N; 90°12'W
Elevation:	1280 Feet
Type:	Jetted, 2½" ID casing.
Aquifer or Geological Material:	Fine sand and gravel
Depth:	40 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 4.99 feet from ground surface

**Distance to Water Level from Ground Surface in Feet**

<b>Date</b>	<b>Feet</b>
Nov. 6	22.47
Dec. 4	22.50

**TABLE 51**

Observation Well No:	44-05-008-2 (3100574)
Location:	Central Patricia 51°29'N; 90°12'W
Elevation:	1280 Feet
Type:	Jetted, 2½" I D casing.
Aquifer or Geological Material:	Fine sand and gravel
Depth:	36 Feet
Recording Commenced:	November 6, 1971
Measuring Point:	Top of casing, 4.57 feet from ground surface

**Distance to Water Level from Ground Surface in Feet**

<b>Date</b>	<b>Feet</b>
Nov. 6	22.37
Dec. 4	22.45

**OBSERVATION WELL DATA  
ATTAWAPISKAT RIVER BASIN  
1971**

**TABLE 52**

Observation Well No: 44-05-009 (3100575)  
 Location: Pickle Lake (Lands & Forests)  
 Elevation: 57°28'N; 90°13'W  
 Type: 1200 Feet  
 Aquifer or Geological Material: Jetted, 2½" ID casing.  
 Depth: Fine to medium sand  
 Recording Commenced: 30 Feet  
 Measuring Point: November 6, 1971  
 Measuring Point: Top of casing, 3.61 feet from ground surface

Distance to Water Level from Ground Surface in Feet

<u>Date</u>	<u>Feet</u>
Nov. 6	14.82
Dec. 4	14.86

**TABLE 53**

Observation Well No: 44-05-010 (3100576)  
 Location: Pickle Lake on road to Airport  
 Elevation: 51°28'N; 90°13'W  
 Type: 1200 Feet  
 Aquifer or Geological Material: Jetted, 1½" ID casing.  
 Depth: Medium to coarse sand and gravel  
 Recording Commenced: 53 Feet  
 Measuring Point: November 6, 1971  
 Measuring Point: Top of casing, 2.29 feet from ground surface

Distance to Water Level from Ground Surface in Feet

<u>Date</u>	<u>Feet</u>
Nov. 6	40.22
Dec. 4	41.70

**TABLE 54**

Observation Well No: 44-05-011  
 Location: Central Patricia  
 Elevation: 51°27'N; 90°14'W  
 Type: 1280 Feet  
 Aquifer or Geological Material: Dug, 1½" ID casing.  
 Depth: Sandy and silt  
 Recording Commenced: 8 Feet  
 Measuring Point: November 6, 1971  
 Measuring Point: Top of casing, 3.36 feet from ground surface

Distance to Water Level from Ground Surface in Feet

<u>Date</u>	<u>Feet</u>
Oct. 17	3.72
Nov. 6	3.38
Dec. 4	3.44

**TABLE 55**  
**OBSERVATION WELL DATA**  
**SEVERN RIVER BASIN**  
**1971**

Observation Well No. 47-05-001 R  
 Location: Muskrat Dam Lake  
 53° 21'N, 90° 50'W  
 Elevation: 891.4 Above Sea Level  
 Type: Rotary, 2" ID casing.  
 Aquifer or Geological Material: Schist  
 Depth: 134.2 feet  
 Recording Commenced: July 31, 1970  
 Measuring Point: Top of Casing 3.0 ft. above Ground Surface

**Average Daily Water Level From Ground Surface in Feet**

Day	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
1	10.33	11.47	12.36	12.82	10.99	9.92	9.20	8.84				
2	10.51	11.49	12.27	12.83	10.83	9.96	9.16	8.92				
3	10.66	11.51	12.16	12.89	10.61	10.19	9.10	8.97				
4	10.60	11.44	12.13	12.94	10.45	10.28	8.98	9.03				
5	10.59	11.36	12.29	12.87	10.42	10.11	8.66	9.03				
6	10.70	11.47	12.39	12.92	10.26	10.06	8.41	9.08				
7	10.67	11.58	12.38	12.85	10.15	10.09	8.13	9.06				
8	10.57	11.62	12.34	12.79	9.93	9.99	8.02	9.13				
9	10.61	11.52	12.33	12.95	9.86	9.91	8.19	9.11				
10	10.79	11.62	12.33	12.78	9.97	9.79	8.30					
11	10.82	11.76	12.32	12.70	9.85	9.83	8.26					
12	10.85	11.85	12.34	12.89	9.62	9.79	8.08					
13	10.81	11.65	12.42	12.89	9.74	9.78	8.27					
14	10.81	11.73	12.49	12.80	9.65	9.58	8.31					
15	11.02	11.83	12.52	12.73	9.72	9.29	8.37					
16	10.94	11.68	12.51	12.71	9.80	9.12	8.55					
17	10.85	11.89	12.52	12.69	9.85	9.06	8.61					
18	11.02	12.12	12.58	12.53	9.89	9.17	8.60					
19	10.97	12.03	12.55	12.16	9.27	9.19	8.68					
20	10.71	12.03	12.56	12.04	8.94	9.26	8.68					
21	10.81	12.00	12.62	11.78	9.08	9.19	8.71					
22	10.87	11.96	12.66	11.51	9.13	9.15	8.86					
23	11.02	11.92	12.66	11.32	9.17	9.12	8.96					
24	11.16	11.99	12.65	11.21	9.27	9.14	8.96					
25	11.21	12.01	12.66	11.22	9.40	9.15	8.86					
26	11.27	12.08	12.65	11.18	9.52	9.11	8.82					
27	11.21	12.09	12.67	11.10	9.65	9.10	8.67					
28	11.13	12.27	12.69	11.06	9.53	9.15	8.67					
29	11.07		12.78	11.06	9.63	9.22	8.70					
30	11.17		12.78	11.05	9.94	9.19	8.62					
31	11.33		12.78		10.28		8.60					

TABLE 56  
CHEMICAL ANALYSES OF WATER SAMPLES  
ALBANY RIVER BASIN

CHEMICAL ANALYSES - ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million															Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
ALBANY RIVER	51° 33'	88° 33'	Jun. 9	14		1.7	0.15	13	2	0.5		<5	2			0.012	<0.01	0.26	0.5	39		69	30	15
			Aug. 4			2.7	0.10	15	3	1		<5	<1			0.016	<0.01	0.33	0.5	47				
BALKAM CREEK	50° 10'	86° 40'	Aug. 26	17		2.5	0.15	16	3	1		5	<1			0.020	<0.01	0.28	0.5	48		92	60	2
			Oct. 20			2.9	0.15	18	3	<1		10	1			0.060	<0.01	0.37	0.5	52				
BOG LAKE	51° 31'	85° 44'	Jun. 12	20		4.1	0.10	30	6	0.8		<5	1			0.018	<0.01	0.32	1	94		180	20	10
			Jul. 16			5.0	0.20	32	6	1		5	<1			0.022	<0.01	0.33	0	99			5	21
BRIGHTSAND RIVER	49° 36'	90° 34'	Sep. 1			4.3	0.10	34	6	1		5	1			0.012	0.02	0.27	0	105			15	15
			Oct. 18			4.2	0.05	32	6	1		10	2			0.016	0.01	0.49	0	98			20	17
CHEEPAY RIVER	51° 27'	83° 26'	Aug. 14	16		1.4		3	<1	<1		7	1			0.028	<0.01	0.44	1.5	6		14	40	10
			Sep. 25	8		0.9	0.15	3	<1	<1		<5	<1			0.024	<0.01	0.42	1.0	9		16	50	10
KAWASHKAGAMA RIVER	50° 26'	87° 09'	Jul. 6				0.30	6	<1	1		12	1			0.016		0.32	5			37		
			Aug. 28	21		6.6	0.35	5	2	1		5	<1			0.022	0.01	0.43	1	16				
KEEZHIK LAKE-composite	51° 45'	88° 30'	Aug. 30			6.0	0.50	6	<1	1		10	1			0.020	<0.01	0.44	0.5	14			85	30
			Oct. 12			1.8	0.25	15	2	1		7	<1			0.026	<0.01	0.52	0.5	46			60	25
KEEZHIK LAKE - bottom	51° 45'	88° 30'	Mar. 10			3.6	0.35	21	3	0.5		<5	1			0.016	0.03	0.55	0.5	62		92		
			Aug. 5	23		2.6	0.10	24	3	0.6		<5	1			0.016	<0.01	0.46	0.5	71		120	20	4
KENOGAMI RIVER	50° 58'	84° 36'	Jul. 16	15		2.2	0.15	28	4	1		5	<1			0.04	<0.01	0.32	0.5	83		130	15	17
			Sep. 1	17		3.6	0.15	14	2	<1		5	1			0.022	<0.01	0.14	0.5	86		165	30	15
KEEZHIK LAKE - composite	51° 45'	88° 30'	Oct. 19			3.5	0.25	23	4	1		10	1			0.012	<0.01	0.41	0.5	71			50	4
			Mar. 10			2.6	0.05	26	4	1		5	<1			0.012	0.03	0.25	0.5	77		142		
KEEZHIK LAKE - bottom	51° 45'	88° 30'	Aug. 5	23		2.2	0.05	22	3	1		<5	1			0.013	0.01	0.27	0	68		135	15	5
			Aug. 5	19		4.5	0.10	26	4	1		5	1			0.012	0.10	0.18	0.5	80		154		
KENOGAMI RIVER	50° 58'	84° 36'	Jul. 18	21		2.3	0.15	22	3	1		5	1			0.017	<0.01	0.30	0	70		135	15	5
			Aug. 30			2.4	0.45	17	2	0.6		<5	1			0.04	0.02	0.38	1	48		62		
			Oct. 21			2.4	0.25	20	9	0.7		5	2			0.012	<0.01	0.36	0.5	63		125		
						3.4		27	6	1		7	1			0.020	<0.01	0.32	1	81			30	15
			Aug. 30			2.5	0.30	28	5	1		5	1			0.040	<0.01	0.50	0.5	85				
			Oct. 21			2.2	0.30	18	3	1		10	1			0.014	<0.01	0.47	1.5	53				

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 56 (continued)

 CHEMICAL ANALYSES OF WATER SAMPLES  
 ALBANY RIVER BASIN

CHEMICAL ANALYSES - ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
LINGEN LAKE	51° 55'	85° 15'	Jun. 7	11		0.77	0.70	5	<1	0.3		5	1			0.032	<0.01	0.65	2	10		28	150	65
			Jun. 25	15		0.36	0.80	5	<1	0.3		5	1			0.034	<0.01	0.60	1.5	12		28	85	40
			Aug. 14	17		0.50	0.50	5	1	<1		5	1			0.035	<0.01	0.23	2	12		26	85	25
			Sep. 25	10		0.80	0.45	6	1	<1		5	<1			0.020	<0.01	0.35	1	14		33	125	30
LOWER TWIN LAKE - composite	50° 10'	86° 31'	Jun. 12	17		3.3	0.05	25	5	0.8		<5	1			0.010	<0.01	0.41	0	76		130	15	5
			Aug. 15	17		4.4	0.05	26	4	<1		<5	1			0.011	<0.01	0.31	0.5	79		150	20	0
			Sep. 15	15				25	5	<1		<1							0.5	80		155	20	5
LOWER TWIN LAKE - bottom	50° 10'	86° 31'	Jun. 12	11		3.9	0.10	25	4	0.8		<5	1			0.012	<0.01	0.26	0	80		130	15	5
			Aug. 15	11		5.4	0.20	25	4	1		<5	<1			0.016	<0.01	0.35	0.5	79		150	20	0
LUCY LAKE - composite	50° 18'	87° 13'	Jun. 7	11		3.0	<0.05	34	7	1		<5	1			0.008	0.01	0.27	0	116		205	0	0
			Jun. 25	17		2.9	0.05	35	7	1		<5	1			0.012	0.01	0.18	0	116		210	0	0
			Aug. 14	17		4.3		34	7	1		<5	<1			0.008	0.02	0.20	0	112		200	0	0
LUCY LAKE - bottom	50° 18'	87° 13'	Sep. 25	14		3.0	0.15	33	7	1		<5	1			0.012	<0.01	0.22	0	112		220	0	0
			Jun. 7	9		3.4	0.05	34	7	1.0		<5	1			0.018	<0.01	0.22	0	46		205	0	0
			Jun. 25	10		3.5	0.05	37	6	1.0		<5	1			0.024	<0.01	0.28	0	120		210	0	0
MUSWABIK RIVER	51° 32'	85° 05'	Aug. 14	15		5.2	0.05	34	7	1		<5	2			0.012	0.01	0.18	0	116		210	0	0
			Sep. 25	13		5.0	0.15	33	7	1		<5	1			0.030	<0.01	0.43	0	114		220	0	0
			May 21	6		1.6	0.50	34	7	1		8	1			0.028	<0.01	0.38	0	116		32		
OPICHUAN RIVER	51° 10'	87° 46'	Jun. 17	92		1.3	0.70	12	2	0.6		8	1			0.016	<0.01	0.20	1	36		70		
			Jul. 18			3.2	2.3	28	4	1		5	<1			0.068	<0.01	0.62	1	82				
			Aug. 29	19		1.1	0.60	17	2	1		7	<1			0.044	<0.01	0.44	2	48		72	125	45
			Oct. 21			2.8	0.45	16	3	1		10	1			0.036	<0.01	0.52	2.0	47				
			May 18	4		3.9	0.15	15	3	0.5		<5	1			0.018	0.06	0.22	0.5	48		67		
			Jun. 9	12		2.9	0.15	16	3	0.5		<5	1			0.018	0.01	0.24	0.5	50		85.5	25	12
			Aug. 4	20		3.6	0.05	18	4	1		5	<1			0.016	<0.01	0.25	0.5	54		100		
			Aug. 28	19		2.9	0.10	17	4	1		<5	1			0.028	<0.01	0.26	0.5	52		97		
			Oct. 15			2.9	0.10	17	3	<1		10	1			0.028	<0.01	0.35	0	49		50	50	14

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 56 (continued)  
CHEMICAL ANALYSES OF WATER SAMPLES  
ALBANY RIVER BASIN

CHEMICAL ANALYSES - ALBANY RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)		
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids				
PASHKOKOGAN RIVER	51°02'	90°12'	Jun.11			1.7	0.15	8	1	0.5		<5	1			0.012	<0.01	0.76	0.5	23		43.5	30	12		
			Jul.5				0.15	8	1	1	0.4	10	1			0.020	0.01	0.46	5			50				
			Aug.28			2.3	0.10	10	<1	1		5	<1			0.027	0.02	0.49	0.5	25			50	13		
			Oct.12			1.2	0.10	9	<1	<1		10	1			0.010	<0.01	0.32	0	24						
STRING BOG	51°31'	85°44'	Jun.14			0.17	0.20	3	<1	0.2		5	1			0.016	<0.01	0.58	3.5	3		19	100	25		
			Jun.25			0.17	0.15	3	<1	0.2		5	1			0.012	<0.01	0.41	3.5	0		19	100	30		
			Aug.14			0.9		<1	<1	<1		5	<1			0.036	<0.01	0.60	5	9		21	125	25		
			Sep.25				0.25	<1	<1	1		5	<1			0.020	<0.01	0.38	4	0		24	150	30		
TROUTFLY LAKE-composite	51°42'	88°55'	Mar.10			3.9	0.10	34	7	1		<5	1			0.004	0.01	0.17	0.0	129						
			Aug.5			3.2	<0.05		2	1		<5	1			0.004	<0.01	0.19	0	106		190	5	0		
TROUTFLY LAKE-bottom	51°42'	88°55'	Mar.10			6.7	0.35	41	8	1		<5	1			0.034	0.01	0.49	0.0	110						
			Aug.5			6.1	0.10	34	5	1		<5	2			0.010	0.01	0.35	0			205	10	0		
WABEMIEG LAKE	51°28'	85°35'	Jun.7			0.60	1.0	7	1	0.5		<5	1			0.032	<0.01	0.48	1.5	16		36				
			Jun.25			0.59	1.1	8	<1	0.7		8	1			0.034	<0.01	0.49	1.5	20		38	85	35		
			Aug.14			1.1	0.55	9	1	1		5	1			0.032	<0.01	0.71	1	22		45	70	25		
			Sep.25			0.8	0.30	10	1	1		<5	1			0.027	<0.01	0.58	1	26		53	70	25		
W29-112	50°14'	90°43'	Jul.13	19	6.6	11.0	10.0	58	12	18	4.6	<5	27	0.1	0.11	0.30					188	192	320	920	250	50
W29-113	50°14'	90°43'	Jul.13	12	7.2	13.0	0.25	54	9	10	3.6	7	18	0.1	0.15	0.006					158	172	255	360	20	3
W29-114	50°14'	90°43'	Jul.13	10	6.5	8.9	0.15	14	3	7	1.6	9	6		0.05	0.006					40	46	105	140	15	2
W36-11	51°14'	90°15'	Aug.30	6	7.3	16.4	0.25	141	24	12	2.4	17	14	0.1		0.016					381	452	600	970	15	3
W36-18	51°12'	90°14'	Aug.28		7.8	1.4	0.15	10	2	1	0.4	<5	2	0.2		0.026					33	32	70	61*	40	8
W36-22	51°14'	90°15'	Aug.28	13	7.4	14.8	0.80	101	16	3	2.4	9	8	0.1		0.003					307	318	380	650	15	10
W36-23	51°14'	90°15'	Aug.28	19	7.3	13.1	3.6	100	19	13	2.1	<5	17	0.2		0.026					319	328	400	790	70	12
W36-24	51°14'	90°15'	Aug.28	6	7.3	17.4	4.0	74	14	8	2.1	5	3	0.5		0.040					246	240	320	510	140	15
W26-117	50°14'	90°43'	Jun.21		6.4	0.35	21	5	8	2.3	5	0.1				1.7					64	72	145	186*	60	
R35-136	50°18'	89°03'	Aug.20		7.1	0.30	28	4	17	5.6	33	1			0.24	4.4					40	86	180	175*		

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 57  
CHEMICAL ANALYSES OF WATER SAMPLES  
ATTAWAPISKAT RIVER BASIN

CHEMICAL ANALYSES - ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
ATTAWAPISKAT LAKE - composite	52°15'	87°55'	Mar. 10	0		2.1	0.25	18	3	1		<5	1.5			0.018	0.01	0.47	1.5	52		105		
			Aug. 5	20		2.2	0.15	14	2	1		5	1			0.011	<0.01	0.41	1.0	40		82	50	15
ATTAWAPISKAT LAKE - bottom	52°15'	87°55'	Mar. 10	0		4.8	0.65	22	4	1		<5	<1			0.034	0.05	0.40	0.5	64		126		
ATTAWAPISKAT RIVER below MUKETEI RIVER	53°06'	85°05'	Jan. 15			4.1	0.55	22	3	1	0.3	<5	2			0.012	0.03	0.56	2.5	62				
			Jul. 4			1.9	0.35	18	2	1	0.3	<5	2			0.012	<0.01	0.44	2.5	50				
			Aug. 26			2.7	0.45	16	3	1		9	<1			0.014	<0.01	0.45	1.0	46				
			Oct. 22			2.5	0.57	12	2	1		5	2			0.010	<0.01	0.34	10.0	32				
OTOSKWIN RIVER below BADESDAWA LAKE	51°49'	89°36'	Apr. 21	0		0.92	0.10	17	2	0.9		<5	1			0.028	0.12	0.28	0.5	50				
			May 29	7		3.6	4.4	22	2			8	1			0.58	<0.01	1.2		60				
			Aug. 30	19		2.9	0.75	14	2	<1		<5	<1			0.028	<0.01	0.47	1	42				
			Oct. 1			3.0	0.30	16	2	<1		<5	<1			0.018	<0.01	0.44	1	48				
			Mar. 3	0		4.9	0.45	19	3	0.8		5	1			0.12	0.01	0.55	1	56				
PINEIMUTA RIVER at PINEIMUTA LAKE	52°18'	88°45'	Apr. 21	0		5.1	0.30	7	<1	0.5		<5	1			0.012	0.16	0.28	0.5	20				
			May 30	4		2.4	0.40	11	1	0.7		5	2			0.018	0.01	0.32	1	34				
			Aug. 28	19		4.1	0.40	17	2	1		<5	<1			0.019	<0.01	0.42	1	51				
			Oct. 5	9		3.5	0.40	21	4	1		5	<1			0.016	<0.01	0.46	1	65				
STREATFIELD LAKE	52°08'	85°55'	Jun. 7	11		1.1	1.7	5	1	0.4		5	1			0.058	<0.01	0.84	1.5	14		50	125	75
			Jun. 25	15		0.92	1.2	6	<1	0.6		17	1			0.048	<0.01	0.67	1	16		32	85	50
			Aug. 14	16		0.9	1.0	8	<1	1		5	1			0.040	<0.01	0.50	1.5	20		40	70	40
			Sep. 25	9		0.7	0.90	9	<1	<1		<5	<1			0.035	<0.01	0.70	1	23		59	100	40

\* Indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 57 (continued)

 CHEMICAL ANALYSES OF WATER SAMPLES  
 ATTAWAPISKAT RIVER BASIN

CHEMICAL ANALYSES - ATTAWAPISKAT RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids			
W36-12	51° 29'	90° 10'	Sep. 2	12	7.7	8.8	0.10	70	35	2	0.8	121	7	0.1		0.014				189	316	420	600	< 5	1
W36-13	51° 30'	90° 10'	Sep. 1		8.6	0.2	0.10	18	3	2	4.6	< 5	2	0.1		0.008				73	56	90	90*	5	25
W36-14	51° 30'	90° 10'	Sep. 9	8	7.8	8.9	4.0	66	12	4	1.1	10	5	0.2		0.020				207	214	280	470	< 5	10
W36-16	52° 05'	90° 05'	Sep. 1	14	7.6	7.3	1.2	12	1	1	0.6	< 5	1	0.2		0.072				46	36	40	55	20	25
W36-17	52° 13'	90° 27'	Sep. 1	10	7.6	9.5	0.20	61	9	2	1.2	< 5	1	0.1		0.008				195	188	240	360	< 5	3
W36-19	51° 27'	90° 13'	Aug. 25	11	7.7	8.6	0.25	38	4	2	0.5	< 5	1	0.1		0.021				118	112	170	230	15	3
W36-20	51° 27'	90° 13'	Aug. 19	7	7.6	1.9	2.0	11	1	9	0.8	< 5	5	0.1		0.22				45	34	70	170	100	25
W36-21	51° 27'	90° 13'	Aug. 20	7	7.5	3.2	0.70	23	3	4	1.3	< 5	2	0.1		0.061				76	70	110	165	20	12
W36-25	51° 29'	90° 10'	Aug. 31	7	7.5	9.0	3.9	60	12	3	1.0	49	1	0.1		0.012				159	200	280	420	5	6
W28-99	51° 44'	89° 43'	Jul. 5		7.5	11.0	0.60	76	10	2	1.8	< 5	1	0.2	0.06	0.061				234	232	250	430*	< 5	12
W28-100	51° 27'	90° 13'	Jul. 6		7.4	6.2	4.3	47	7	3	4.5	< 5	2	0.1	0.06	0.15				178	148	160	296*	30	100
W28-101	51° 27'	90° 13'	Jul. 6	7	7.4	1.4	7.3	12	1	3	1.2	< 5	3	0.2	0.09	0.17				42	37	80	96*	125	50
W28-102	51° 29'	90° 10'	Jul. 7		7.0	6.0	8.7	34	8	2	1.1	< 5	2	0.2	0.03	0.54				114	116	130	222*	50	80
W29-115	51° 28'	90° 12'	Jul. 16	5	7.6	7.1	0.10	63	6	3	0.9	14	5	0.1	0.06	0.016				164	182	205	360	< 5	3
W26-118	51° 29'	90° 10'	Jun. 23		7.1		0.10	173	38	34	4.1	270	22	0.1		1.5	3.2			306	592	835	1120*	5	3
W28-119	51° 28'	90° 12'	Jun. 24		7.7		0.05	69	9	3	1.0	5	5	0.0		0.025	0.018			196	204	225	386*	5	1.5
R35-133	51° 28'	90° 14'	Aug. 20	18	7.8		0.25	20	3	1	1.0	7	1			0.044	0.02			62	62	135	118		
R35-134	51° 29'	90° 11'	Aug. 20	7	8.0		0.20	33	5	1	1.0	5	1			0.008	0.03			104	104	145	201*		
R35-135	51° 29'	90° 10'	Aug. 20	13	7.3		0.25	20	3	1	0.4	10	22			0.012	0.01			58	62	90	138		
R35-137	51° 29'	90° 12'	Aug. 20	8	7.1		0.30	21	5	3	1.0	7	2			0.016	0.01			70	72	135	150		
R35-138	51° 27'	90° 13'	Aug. 20	20	7.6		0.10	11	2	1	0.4	5	1			0.016	0.02			34	36	65	70		
R35-139	51° 28'	90° 11'	Aug. 20	20	7.6		0.20	16	2	1	0.5	7	1			0.026	0.01			48	50	80	100		
R35-140	51° 28'	90° 13'	Aug. 20	10	7.9		0.10	39	5	1	0.4	5	2			0.008	0.03			120	120	135	242		
W26-116	51° 29'	90° 12'	Jun. 21		6.7		0.70	37	8	30	7.1	17		0.1		0.070	5.5			134	124	255	376*	85	12

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 58  
CHEMICAL ANALYSES OF WATER SAMPLES  
MOOSE RIVER BASIN

CHEMICAL ANALYSES - MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
ABITIBI RIVER at OHAKAWANA	50°36'	81°25'	Jan.20			4.7	1.3	8	2	4	1.3	5	8			0.040	0.9	0.40	0.5	12				
			May 19			4.3	2.5	22	1	1	0.6	<5	1			0.090	0.06	0.75	2.5	56				
			Jul.14			4.7	1.0	21	4	2		5	1			0.034	0.01	0.36	1.0	59				
BLUEGOOSE LAKE	50°00'	84°08'	Jun.11	18		0.25	0.15	14	2	0.7		<5	1			0.048	<0.01	0.47	1.0	59				
			Jul.1	21		0.39	0.10	12		0.7		5	1			0.017	<0.01	0.53	1	41	82	40	15	
			Aug.15	18		1.8	0.10		4	1		<5	<1			0.022	<0.01	0.51	1	42	82	30	10	
BLUEJAY LAKE-composite	50°02'	84°08'	Sep.27	16		1.8	0.10	14	3	1		5	<1			0.024	<0.01	0.50	0.5	47	90	30	5	
			Jun.11	16		2.7	0.05	65	19	2.2		8	1			0.020	<0.01	1.3	0.5	44	97	40	5	
			Jul.1	20		9.6	<0.05	72	20	2.5		11	1			0.006	0.02	0.12	0	234	450	0	0	
BLUEJAY LAKE - bottom	50°02'	84°08'	Aug.15	19		10.5	<0.05	58	18	2		7	1			0.008	0.02	0.10	0.5	257	400	0	0	
			Sep.27	13		11.0	0.05	70	18	2		7	<1			<0.004	0.01	0.13	0	214	400	0	0	
			Jun.11	9		8.5	0.05	79	24	2.6		14	1			0.005	<0.01	0.12	0	243	475	0	0	
BRUNSWICK LAKE - composite	49°00'	83°23'	Jul.1	9		8.8	0.05	78	20	2.6		11	1			0.014	0.01	0.09	0	269	570	0	0	
			Aug.15	11		13.0	0.05	63	19	2		7	<1			0.006	<0.1	0.15	0	229	470	0	0	
			Sep.27	10		11.5	0.10	79	19	3		<5	1			0.010	<0.01	0.22	0	271	550	0	0	
BRUNSWICK LAKE - bottom	49°00'	83°23'	Jun.8	15		2.3	0.30	19	4	0.5		8	1			0.020	<0.01	0.37	1	52	110	50	20	
			Jul.3	19		1.7	0.10	26	5	0.7		8	1			0.022	0.02	0.33	0.5	78	150	15	5	
			Aug.17	19		0.10	27	5	1			7	<1			0.026	<0.01	0.72	0	81	158	20	5	
KAPUSKASING RIVER at KAPUSKASING	49°25'	82°26'	Sep.28	14		3.7	0.10	26	5	<4		<5	2			0.021	<0.01	0.59	0	83	165	20	0	
			Jul.3	14		3.8	0.15	24	6	0.6		7	2			0.016	0.01	0.34	0	80	160	15	0	
			Aug.17	18		3.0	0.10	27	5	1		7	<1			0.026	<0.01	0.72	0	81	160	20	5	
MISSINABI RIVER at MATTICE	49°37'	83°16'	Sept.28	14		5.5	0.20	26	5	1		<5	<1			0.020	<0.01	0.39	0	82	175	30	5	
			Apr.29			4.4	0.75	18	3	7	0.9	5	2			0.040	0.01	0.70	8.0	44				
			Aug.17			5.3	0.60	27	6	2		29	2			0.046	0.01	1.20	12	62				
			Oct.29			5.3	1.0	26	7	3		20	2			0.058	<0.01	0.70	10	64				
			Jun.23			3.1	0.50	17	3	1	0.7	5	2			0.024	0.10	0.56	1.5	58				
			Aug.17			4.2	0.35	26	4	1		5	1			0.016	0.03	0.48	2	46				
			Oct.29			5.2	0.50	25	6	1		9	1			0.020	<0.01	0.53	1	74				

TABLE 58 (continued)

CHEMICAL ANALYSES OF WATER SAMPLES  
MOOSE RIVER BASIN

CHEMICAL ANALYSES - MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million															Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids	
MOOSE RIVER at MOOSE RIVER	50° 49'	81° 18'	Jan. 19			3.0	0.15	8	2	4	1.4	5	8				0.19	0.38	0.5	12			
			May 18			4.2	2.6	26	3	1	0.7	<5	1				<0.01	0.65	2.5				
			Jul. 13			3.1	0.45	22	5	2		10	2				<0.01	0.40	1.5	65			
			Oct. 4			4.7	1.8	22	4	1		<5	1				0.01	0.60	2.0	60			
PIERRE LAKE - composite	49° 31'	80° 44'	Jun. 8	14		3.4	0.30	16	2	0.8		8	1				0.02	0.27	1	44	92	70	25
			Jul. 2	18		2.9	0.25	14	4	0.8		8	1				0.02	0.28	1	45	92	85	15
			Aug. 17	18		2.3	0.25	16	3	1		7	<1				<0.01	0.40	0.5	46	112	70	15
			Sep. 30	12				0.35	15	3	1		5	1			0.01	0.35	0.5	46	100	85	20
PIERRE LAKE - bottom	49° 31'	80° 44'	Jul. 2	17		3.5	0.40	16	3	1.0		8	2				0.02	0.30	0.5	44	92	85	15
			Aug. 17	17		3.5	0.60	15	3	1		5	<1				<0.01	0.75	0.5	47	112	70	15
			Sep. 30	12		2.5	0.30	15	3	1		<5	<1				<0.01	0.46	1	46	100	85	20
			Jun. 9	13		2.3	0.10	26	5	1.2		<5	2				<0.01	0.38	0	80	160	10	15
REMI LAKE - composite	49° 25'	82° 10'	Jul. 4	19		2.5	0.10	27	5	0.6		5	2				<0.01	0.43	0	83	165	15	0
			Aug. 16	17		3.8	0.10	27	5	1		<5	2				<0.01	0.54	0.5	84	170	20	0
			Sep. 30	13		8.5	0.20	27	5	1		<5	2				<0.01	0.49	0	89	170	20	0
			Jun. 9	13		2.1	0.10	28	5	1.2		5	2				<0.01	0.30	0	82	165	15	0
REMI LAKE - bottom	49° 25'	82° 10'	Jul. 4	19		3.4	0.10	28	5	1		5	2				<0.01	0.47	0	83	175	20	0
			Aug. 17	17		2.1	0.10	28	5	1.2		5	2				<0.01	0.30	0	82	165	15	0
			Sep. 30	13				0.20	27	5	1		5	2			<0.01	0.43	0.5	84	172	20	5
			Jun. 8	15		3.8	0.25	25	5	1.0		8	1				<0.01	1.4	0.5	78	150	30	15
SAGANASH LAKE - composite	49° 04'	82° 35'	Jul. 3	19		3.0	0.25	25	5	1.0		8	1				<0.01	0.36	0.5	81	152	30	20
			Aug. 17	18		3.8	0.20	27	5	2.6		<5	2				<0.01	0.55	0.5	84	162	30	5
			Sep. 28	13		3.7	0.25	27	5	1		<5	1				<0.01	0.89	0.5	87	170	30	10
			Mar. 24			2.7	0.10	30	6	1		5	1				0.04	0.36	0.5	95			
SAGANASH LAKE - bottom	49° 04'	82° 25'	Jun. 8	14																150	40	15	
			Aug. 17	18																160	30	5	
			Sep. 28	13																175	30	10	
			Jun. 8	15		0.59	0.10	24	4	0.5		<5	1				<0.01	0.41	0	74	140	5	0
SHANNON LAKE	49° 47'	83° 23'	Jul. 3	19		0.69	0.05	24	5	0.6		<5	1				<0.01	0.31	0	76	145	5	0
			Aug. 17	18		1.3	0.10	25	4	<1		<5	1				<0.01	0.48	0	78	145	15	0
			Sep. 28	12		2.5	0.10	24	4	<1		<5	<1				<0.01	0.46	0	75	155	15	0

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 58 (continued)  
CHEMICAL ANALYSES OF WATER SAMPLES  
MOOSE RIVER BASIN

CHEMICAL ANALYSES - MOOSE RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
SHEKAK RIVER at Hwy. #11	49° 45'	84° 24'	Jan. 19 May 13 Jun. 23 Jul. 13 Aug. 24 Oct. 28			4.9	0.25	42	8	2	1.2	< 5	4			0.040	0.08	1.30	1	132				
						3.0	0.30	23	4	1	0.6	< 5	6			0.024	0.02	0.46	1	66				
						3.0	0.20	33	5	1	0.6	< 5	2			0.020	< 0.01	0.46	1	96				
						3.1	0.15	36	6	1	0.7	< 5	2			0.016	< 0.01	0.46	1	108				
						4.0	0.25	39	8	1		9	1			0.012	< 0.01	0.37	0.5	124				
						4.7	0.35	34	7	1		5	1			0.012	< 0.01	0.58	0.5	100				

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 59  
CHEMICAL ANALYSES OF WATER SAMPLES  
SEVERN RIVER BASIN

CHEMICAL ANALYSES - SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids		
AGUSK or TEEPEESTICK LAKE	54°38'	89°30'	Mar. 9			2.4	0.35	23	3	1		< 5	< 1			0.016	0.01	0.55	0.0	64				
			Aug. 9	22		0.54	0.15	14	2	1		< 5	1			0.014	< 0.01	0.47	0.5	42	72	30	10	
BIG TROUT LAKE -composite	53°45'	90°00'	Mar. 10			0.9	0.05	19	3	1		< 5	< 1			0.006	0.01	0.19	0.0	56	112			
BIG TROUT LAKE-bottom	53°45'	90°00'	Aug. 6	18		0.7	0.05	18	2	< 1		< 5	1			0.008	< 0.01	0.28	0.5	52	105	10	5	
BIG TROUT LAKE - bog	53°51'	89°53'	Aug. 8	19		1.5	0.10	22	3	1		< 5	1			0.008	< 0.01	0.29	0	52	105	10	5	
FLANAGAN RIVER	52°49'	93°27'	Jun. 11	16		3.9	4.30	11	2	0.9		5	1			0.046	< 0.01	0.39	1	33	37	150	62	
			Jul. 7				4.10	12	2	1	1.1	12	1			0.110	0.02	0.50						
			Aug. 27	17		4.5	4.25	14	2	1		5	< 1			0.100	< 0.01	0.42	1	44	80			
			Oct. 13			4.0	2.3	13	3	1		10	1			0.340	< 0.01	0.62	6.5	38	200	75		
KANESS LAKE - composite	52°31'	92°30'	Mar. 7			4.3	0.15	11	2	1		5	< 1			0.022	0.06	0.36	1.0	35	71			
KANESS LAKE - bottom	52°31'	92°30'	Aug. 7	23		1.9	0.70		3	1		5	2			0.009	< 0.01	0.35	1.0	32	60	70	20	
			Oct. 7	23		4.4	0.50	10	3	1		5	< 1			0.038	0.06	0.39	1.5	34				
			Aug. 7	8		4.8	0.70	10	2	1		< 5	1			0.060	0.01	0.44	1.0	32	68	70	25	
NORTH SPIRIT LAKE - composite	52°36'	93°00'	Mar. 7			3.2	0.15	9	2	1		5	1			0.014	0.01	0.50	1.5	27	59			
			Aug. 7	23		3.3	0.15	9	1	1		5	1			0.010	< 0.01	0.39	1.0	26	50	70	20	
			Oct. 12	11		4.1	0.15	14	2	1		< 5	< 1			0.016	< 0.01	0.38	1	27	55	50	18	
NORTH SPIRIT LAKE - bottom	52°36'	93°00'	Mar. 7			4.6	0.45	10	3	1		5	< 1			0.044	0.04	0.43	1.0	28	62			
			Aug. 7	19		3.4	0.15	9	1	1		< 5	1			0.012	< 0.01	0.47	1.0	26	52	70	29	
			Oct. 12			5.3	0.60	10		1		1.0	1			0.050	0.06	0.39	1.0	31	87			
SANDY LAKE - composite	53°00'	93°00'	Mar. 8			4.5	1.8	12	2	1		5	< 1			0.048	0.04	0.53	1.5	47	93			
			Aug. 7	20		3.7	2.6	14	3	1		12	1			0.046	0.02	0.46	1.0	38	83			
			Oct. 12	7		2.5	5.5	15	4	1		< 5	< 1			0.011	< 0.01	0.56	0.5	50	95	150	80	
SANDY LAKE - bottom	53°00'	93°00'	Mar. 8			4.3	3.4	15	3	1		5	< 1			0.20	0.06	0.86	0.5	47	95			
			Aug. 7	19		3.9	1.4	12	2	1		7	1			0.048	0.02	0.45	1.0	38	83			
SANDYBANK LAKE	53°00'	89°45'	Mar. 9			1.9	0.85	29	3	1		< 5	2			0.060	0.01	1.50	0.5	80	80	30	8	
			Aug. 9	23		0.6	0.25	14	2	1		5	1			0.018	< 0.01	0.60	0.5	42				

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 59 (continued)

 CHEMICAL ANALYSES OF WATER SAMPLES  
 SEVERN RIVER BASIN

CHEMICAL ANALYSES - SEVERN RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids			
SCHADE RIVER	53°33'	91°09'	Jun. 10	15		1.9	0.40	10	6	0.6		5	1			0.022	<0.01	0.38		30			50.5	50	18
			Jul. 9				1.2			0.5	10					0.052	0.01	0.49							
			Aug. 27	17		2.9	0.65	13	4	1		7	<1			0.033	<0.01	0.42	0.5	38			67	30	30
SEVERN RIVER at LIMESTONE RAPIDS	55°22'	88°19'	Oct. 13			2.7	0.45	14	5	1		10	1			0.032	<0.01	0.44	0.5	41			60	19	
			Apr. 23	1		3.5	1.0	26	3	2.1		<5	3			0.030	0.07	0.42	0.5	77					
			Jun. 4	11		1.5	2.65	20	2	2		5	2			0.030	<0.01	0.37	0.5	60					
WUNNUMMIN LAKE - composite	52°55'	89°15'	Jul. 11			1.8	0.75	24	2	2		7	2			0.036	<0.01	0.31	0.5	66					
			Sep. 19	7		2.9	0.75	25	4	3		<5	5			0.028	<0.01	0.47	0.5	79					
			Oct. 18			2.8	0.75	19	4	2		12	3			0.022	<0.01	0.44	0.5	75					
WUNNUMMIN LAKE - bottom	52°55'	89°15'	Mar. 10			3.5	0.15	16	3	1		<5	1			0.012	0.02	0.44	1.5	45			91		
			Aug. 5	19		1.8	0.10	12	2	<1		5	1			0.010	<0.01	0.60	1.0	36			78	40	15
			Mar. 10			2.9	0.60	18	3	1		<5	1			0.024	0.01	0.37	0.5	52			103		
			Aug. 5			2.0	0.15	12	2	<1		<5	1			0.015	<0.01	0.42	1.0	36			78	40	15

\* indicates analysis performed in the field

\*\* Jackson Turbidity Unit

TABLE 60  
CHEMICAL ANALYSES OF WATER SAMPLES  
WINISK RIVER BASIN

CHEMICAL ANALYSES - WINISK RIVER BASIN

Source	Latitude North	Longitude West	Date	Temperature (°C)	pH	Constituents in parts per million																Specific Conductance (micromhos at 25°C)	Colour (Hazen Units)	Turbidity (J.T.U.**)	
						Silica (SiO <sub>2</sub> )	Iron (Fe)	Calcium (Ca)	Magnesium (Mg)	Sodium (Na)	Potassium (K)	Sulphate (SO <sub>4</sub> )	Chloride (Cl)	Fluoride (F)	Boron (B)	Total Phosphorus (P)	Nitrate as (N)	Total Kjeldahl as (N)	Tannins & Lignins as Tannic acid	Total Alkalinity as CaCO <sub>3</sub>	Total Hardness as CaCO <sub>3</sub>	Total Dissolved Solids			
ASHEWIG RIVER at STRAIGHT LAKE	53°43'	87°57'	Apr.23	0		2.8	0.25	18	3			<5				0.012	0.08	0.78		60					
			Jun.2			2.3	0.50	16	1	0.5		<5	1			0.008	0.01	0.24	0.5	43					
			Jul.10			2.2	0.15	14	2	<1		<5	<1			0.015	<0.01	0.32	0.5	42					
			Sep.21			2.0	0.20	13	2	<1		<5	<1			0.014	<0.01	0.50	1	38					
ATIKAMEG LAKE	54°15'	88°24'	Oct.20			1.9	0.10	16	3	<1		10	1			0.04	<0.01	0.36	0.5	54					
			Mar.9			0.64	0.35	10	1	1		<5	2			0.022	0.11	0.69	2.0	25		62			
KASABONICA LAKE	53°35'	88°30'	Aug.9	22		0.38	0.20	6	<1	1		7	1			0.024	<0.01	0.46	1.5	16		>50	70	20	
			Mar.9			4.0	0.30	25	3	1		<5	1			0.010	0.08	0.47	1.0	72		137			
PIPESTONE RIVER at KARL LAKE	52°34'	90°14'	May 3			2.2	0.30	10	1	0.8		5	1			0.016	<0.01	0.31		27					
			Aug.28	20		4.3	0.30	13	2	<1		<5	<1			0.016	<0.01	0.42	1	37					
			Oct.5	8		3.3	0.45	15	2	1		<5	<1			0.016	<0.01	0.40	1	45					
SHAGAMU BOG	55°05'	87°05'	Aug.11	24		0.38	0.20	7	<1	1		5	2			0.010	<0.01	0.53	2.5	16		>50	100	25	
SHAGAMU LAKE	55°05'	87°04'	Mar.9			0.40	0.10	14	1	2		5	3			0.006	<0.01	0.37	1.5	40		86			
			Aug.11	21		0.13	0.25	7	<1	1		<5	2			0.020	<0.01	0.56	1.0	22		50	20	10	
WINISK RIVER below ASHWIEG RIVER	54°31'	87°14'	Apr.23	1		2.9	0.05	4	<1	0.2		8	1			0.010	0.02	0.46	0	8					
			Jun.3			2.4	0.60	17	2	0.8		5	1			0.036	<0.01	0.35	0.5	48					
			Jul.10			3.2	0.40	18	2	1		5	1			0.026	<0.01	0.40	0.5	51					
			Oct.18			2.9	0.30	17	2	1		10	1			0.028	<0.01	0.35	1.0	49					
W36-15	52°17'	90°35'	Sep.1	14	8.0	13.6	0.85	42	4	9	2.0	8	3	0.1		0.016				125	122	160	280	20	8

\* Indicates analysis performed in the field

\*\* Jackson Turbidity Unit

**PHYTOPLANKTON TABLES**

TABLE 61  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
BLUE GREEN	<i>Anabaena</i>		43	378	375	172		162					
	<i>Aphanizomenon</i>							32					
	<i>Aphanocapsa</i>			320					251				
	<i>Aphanothece</i>		2900	774	905	4345	5189	4027					
	<i>Chroococcus</i>		342	241	254	118		107					
	<i>Coelosphaerium</i>												
	<i>Dactylococcopsis</i>			38	13								
	<i>Gloeocapsa</i>												
	<i>Gloeotheca</i>												
	<i>Gomphosphaeria</i>			16	27	70	205	29					
	<i>Lyngbya</i>		83	42	131	153	585	422					
	<i>Marssonella</i>												
	<i>Merismopedia</i>		60	6									
	<i>Microcystis</i>					433							
	<i>Nostoc</i>												
	<i>Oscillatoria</i>			12	18								
	<i>Pelodictyon</i>												
	<i>Pelogloea</i>												
	<i>Phormidium</i>												
	<i>Rhaboderma</i>												
	<i>Tetrapedia</i>												
	<i>Spirulina</i>												
	<i>Syctonema</i>		12										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 62  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude  $51^{\circ}31'$ ; Longitude  $85^{\circ}44'$

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
DIATOMS	<i>Achnanthes</i>												
	<i>Amphiprora</i>												
	<i>Amphora</i>												
	<i>Asterionella</i>												
	<i>Attheya</i>												
	<i>Cyclotella</i>												
	<i>Cymbella</i>												
	<i>Diatoma</i>												
	<i>Epithemia</i>												
	<i>Eunotia</i>												
	<i>Fragilaria</i>												
	<i>Melosira</i>												
	<i>Navicula</i>												
	<i>Nitzschia</i>												
	<i>Pinnularia</i>												
	<i>Rhizosolenia</i>												
	<i>Stauroneis</i>												
	<i>Surirella</i>												
	<i>Stephanodiscus</i>												
	<i>Synedra</i>												
	<i>Tabellaria</i>												
	<i>Cymatopleura</i>												
	<i>Coccconeis</i>												
	<i>Caloneis</i>												
	<i>Frustulia</i>												
	<i>Gyrosigma</i>												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 63  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
FLAGELLATES	Carteria				1								
	Ceratium												
	Chlamydomonas		30	18	1	67	47	27					
	Chlorogonium												
	Cryptomonas		54	P	7								
	Dinobryon		307	65	17	241	15	35					
	Euglena						745	19					
	Glenodinium			23									
	Gymnodinium				75								
	Mallomonas						30	102					
	Ochromonas												
	Phacus				50								
	Peridinium				5								
	Rhodomonas							43					
	Synura							29					
	Trachelomonas				15			11					
	Unknown Chrysophyte		31	137	12	116	121	159					

Units are given in areal standard units per millitre  
P = Present

TABLE 64  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	Bog Lake		Latitude 51°31'; Longitude 85°44'									
		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71						
GREEN	Actinastrum			8	5	92	61	24					
	Ankistrodesmus		P	22									
	Arthrodesmus												
	Bitrichia				11								
	Botryococcus		42	24	104			39					
	Characium												
	Closterium												
	Coelastrum	36					30						
	Cosmarium			P									
	Crucigenia			9		34	42	18					
	Dictyosphaerium	100			8								
	Elakatothrix												
	Gloeocystis	140					281	150					
	Golenkinia								2				
	Kirchneriella			P									
	Lagerheimia			2									
	Micractinium												
	Mougeotia	80				12	2						
	Nephrocytium				75	204	100						
	Euastrum												
	Desmidium												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 64 (Cont.)  
 PHYTOPLANKTON  
 ALBANY RIVER BASIN

Bog Lake

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS		July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71					
GREEN	Oedogonium			P		43	89	6					
	Oocystis	74	104		41	51	225	66					
	Ophiocytium												
	Pediastrum	80			4								
	Quadrigula					74							
	Scenedesmus	106	48		64	222	127		11				
	Schroederia								100				
	Selenastrum												
	Sphaerocystis												
	Spondylosium												
	Staurastrum	64		P	139								
	Tetraëdron	58		2									
	Treubaria					3	57						
	Ulothrix								8				
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 65  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
BLUE GREEN	Anabaena	34	42	54	6	4	59	33	42	14		
	Aphanizomenon			274	4	46						
	Aphanocapsa			272	84	578	383	1240	65			
	Aphanothece	389			106							
	Chroococcus	18	9	27	26		97	7	74	2		
	Coelosphaerium											
	Dactylococcopsis						2	10				
	Gloeocapsa											
	Gloeotheca											
	Gomphosphaeria											
	Lyngbya											
	Marssonella											
	Merismopedia											
	Microcystis											
	Nostoc											
	Oscillatoria											
	Pelodictyon											
	Pelogloea											
	Phormidium											
	Rhaboderma											
	Syctonema											
	Tetrapedia											
	Spirulina									17		

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 66  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
DIATOMS	Achnanthes Amphiprora Amphora Asterionella Attheya Cyclotella Cymbella Diatoma Epithemia Eunotia Fragilaria Melosira Navicula Nitzschia Pinnularia Rhizosolenia Stauroneis Surirella Stephanodiscus Synedra Tabellaria Cymatopleura Coccconeis Caloneis Frustulia Gyrosigma Unknown Diatom	6 1 P 20	85 18 6 33 17	96 4 P 24 P	17 4 10 48 45	14 1 55 5 71	132 7 13 17 P	13 2 13 11 30	4 2 11 11 67	6 3 10 11 67		

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 67  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	Bluegoose Lake		Latitude 50°00'; Longitude 84°08'								
		June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
FLAGELLATES	Carteria					P						
	Ceratium											
	Chlamydomonas	55	135	118	5	18	39	26		6		
	Chlorogonium											
	Chrysophyte				24		20					
	Cryptomonas	4	84	46	17	24		20				
	Dinobryon	25	24	7	68	41	218	758	72	53		
	Euglena			30	P	P			94	83		
	Glenodinium											
	Mallomonas											
	Ochromonas		4									
	Pandorina											
	Perinodinium											
	Phacus			8	10	29	31	10				
	Rhodomonas				28	22	20	48	14	30		
	Synura											
	Trachelomonas			11	6	2		12		17		
	Unknown Chrysophyte											
	Stipitococcus											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 68  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50°00'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
GREEN	<i>Actinastrum</i> <i>Ankistrodesmus</i> <i>Arthrodesmus</i> <i>Botryococcus</i> <i>Characium</i> <i>Closterium</i> <i>Coelastrum</i> <i>Cosmarium</i> <i>Crucigenia</i> <i>Dictyosphaerium</i> <i>Elakatothrix</i> <i>Cloeocystis</i> <i>Golenkinia</i> <i>Kirchneriella</i> <i>Lagerheimia</i> <i>Micractinium</i> <i>Mougeotia</i> <i>Nephrocytium</i> <i>Euastrum</i> <i>Bitrichia</i> <i>Desmidium</i>	1		P	9	2			1	4		

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 68 (Cont.)  
 PHYTOPLANKTON  
 ALBANY RIVER BASIN

Bluegoose Lake

Latitude 50° 00'; Longitude 84° 08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
GREEN	Oedogonium											
	Oocystis	1	25	8	23	9	7	21	20	23		
	Ophiocytium											
	Pediastrum		18	5	11							
	Quadrigula	55	17		61	9	8		2	13		
	Scenedesmus	1		39	17	19	4	4	35			
	Schroederia							10	11	3		
	Selenastrum			6	1	23		7				
	Sphaerocystis											
	Spondylosium											
	Staurastrum	7			11							
	Tetraëdron	1	2		2							
	Treubaria											
	Ulothrix											
	Pectodictyon											
	Unknown Green											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 69  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
BLUE GREEN	Anabaena Aphanizomenon Aphanocapsa Aphanothece Chroococcus Coelosphaerium Dactylococcopsis Gloeocapsa Gloeothecea Gomphosphaeria Lyngbya Marssonella Merismopedia Microcystis Nostoc Oscillatoria Pelodictyon Pelogloea Phormidium Rhaboderma Tetrapedia Stiruline Syclonema		P	2	29	19	8	26	14	12	5	17

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 70  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
DIATOMS	Achnanthes Amphiprora Amphora Asterionella Attheya Cyclotella Cymbella Diatoma Epithemia Eunotia Fragilaria Melosira Navicula Nitzschia Pinnularia Rhizosolenia Stauroneis Surirella Stephanodiscus Synedra Tabellaria Cymatopleura Cocconeis Caloneis Frustulia Gyrosigma Unknown Diatom											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 71  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Bluejay Lake

Latitude 50°02'; Longitude 84°08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71			
FLAGELLATES	Carteria Ceratium Chlamydomonas Chlorogonium Chrysophyte Cryptomonas Dinobryon Euglena Flagellated Chrysophyte Glenodinium Mallomonas Ochromonas Peridinium Phacus Rhodomonas Synura Trachelomonas Unknown Chrysophyte Pandorina Stipitococcus		P 1	P 6	1 1	1 1	1 3	1 17	4 2	P 17	10 1		

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 72  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	Bluejay Lake									
		June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71	
GREEN	Actinastrum										
	Ankistrodesmus										
	Arthrodesmus										
	Bitrichia										
	Botryococcus										
	Characium										
	Closterium										
	Coelastrum										
	Cosmarium										
	Crucigenia										
	Dictyosphaerium										
	Elakatothrix										
	Gloeocystis										
	Golenkinia										
	Kirchneriella										
	Lagerheimia										
	Micractinium										
	Mougeotia										
	Nephrocytium										
	Euastrum										
	Desmidium										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 72 (Cont.)  
 PHYTOPLANKTON  
 ALBANY RIVER BASIN

Bluejay Lake

Latitude 50° 02'; Longitude 84° 08'

GROUP	GENUS	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Pectodictyon Unknown Green		P		11	7	4	1	6	5		
			P		1	4	3	6	9	3	1	P

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 73  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
BLUE GREEN	<i>Anabaena</i>	229	37			47	124	118	410	382		
	<i>Aphanizomenon</i>								45			
	<i>Aphanocapsa</i>	364		326			603	63	1243			
	<i>Aphanothece</i>	3155	1480	9598	2230	5551	2897	5684	2153	5716		
	<i>Chroococcus</i>	194	40	182	359	95	560	88	102	234		
	<i>Coelosphaerium</i>											
	<i>Dactylococcopsis</i>		P			9						
	<i>Gloeocapsa</i>											
	<i>Gloeothecea</i>											
	<i>Gomphosphaeria</i>	419		P		98	20	723		78		
	<i>Lyngbya</i>	387		60	1067	546	653	396	595	949	210	
	<i>Marssonella</i>											
	<i>Merismopedia</i>	238									7	
	<i>Microcystis</i>		P			50	2304					
	<i>Nostoc</i>											
	<i>Oscillatoria</i>											
	<i>Pelodictyon</i>											
	<i>Pelogloea</i>											
	<i>Phormidium</i>											
	<i>Rhaboderma</i>											
	<i>Tetrapedia</i>											
	<i>Spirulina</i>											
	<i>Syctonema</i>											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 74  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	Lingen Lake		Latitude 51°55'; Longitude 85°15'									
		June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella	100	109	200									
	Attheya												
	Cyclotella	20	102		21	35	23	21	109				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia												
	Fragilaria		P		480	P	45	42	1683				
	Melosira												
	Navicula												
	Nitzschia	17	7	29	20 11	41	5	23	55				
	Pinnularia												
	Rhizosolenia	222	259	256									
	Stauroneis												
	Surirella												
	Stephanodiscus												
	Synedra	193	37		73	49		28					
	Tabellaria	137	62	2286	640	262	535		484				
	Cymatopleura												
	Cocconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 75  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas	50	65	18	6	3	7		48	40		
	Chlorogonium											
	Cryptomonas	34	P				12					
	Dinobryon	61	11	38		235	33	36	213	10		
	Euglena					15						
	Glenodinium											
	Mallomonas											
	Pandorina											
	Ochromonas											
	Peridinium											
	Phacus											
	Rhodomonas											
	Synura											
	Trachelomonas											
	Unknown Chrysophyte			240		9	88	63	89	61		
	Chrysophyte											
	Stipitococcus											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 76  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lingen Lake

Latitude 51°55'; Longitude 85°15'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum Ankistrodesmus Arthrodesmus Botryococcus Characium Closterium Coelastrum Cosmarium Crucigenia Desmidium Dictyosphaerium Elakatothrix Gloeocystis Golenkinia Kirchneriella Lagerheimia Micractinium Mougeotia Nephrocytum Euastrum Bitrichia												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 76 (Cont.)  
**PHYTOPLANKTON**  
**ALBANY RIVER BASIN**  
 Latitude  $51^{\circ}55'$ ; Longitude  $85^{\circ}15'$

Eingen Lake		Latitude 51° 55'; Longitude 85° 15'										
GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Pectodictyon Unknown Green		P 60 P 286 20 454 5 P 23 6	209 96 202 140 137 142 8 8	63 98 9 190 16	45 17 9 170 124 81 3 15	917 35 11 243 23 3 63 42	40 87 3 15				

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 77  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
BLUE GREEN	Anabaena	9	22	9	133	117		77	170				
	Aphanizomenon		95	280	716	251		153	218				
	Aphanocapsa												
	Aphanothece			232						20			
	Chroococcus	8	1	2	2	6		42					
	Coelosphaerium												
	Dactylococcopsis												
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria	51	8			161		19	100				
	Lyngbya	38	27	134	186	282		270	55				
	Marssonella												
	Merismopedia				1	11	177						
	Microcystis												
	Nostoc												
	Oscillatoria	30	61	45	7	84		76	56				
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 78  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
DIATOMS	Achnanthes	5											
	Amphiprora												
	Amphora												
	Asterionella	177	4	3									
	Attheya												
	Cyclotella	22	9	30	13	9		8	4				
	Cymbella												
	Diatoma												
	Epithemia												
	Eunotia	2											
	Fragilaria	86		44	5			79	6				
	Melosira	388	10	74	24	99		P					
	Navicula							6	19				
	Nitzschia												
	Pinnularia												
	Rhizosolenia	31	3			9							
	Stauroneis												
	Surirella												
	Stephanodiscus												
	Synedra	145	29	55	29	4							
	Tabellaria	86			17	30							
	Unknown Diatom				3								
	Cymatopleura												
	Coccconeis												
	Caloneis												
	Frustulia												
	Gyrosigma												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 79  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	66	15	14	8	13		9	11				
	Chlorogonium												
	Cryptomonas	47	26	3	24	7		38	29				
	Dinobryon	249	22	2		3		32	5				
	Euglena												
	Glenodinium												
	Mallomonas	28			12					5			
	Ochromonas												
	Peridinium												
	Phacus		3	9	8	7		2	6				
	Rhodomonas					15		34	36				
	Synura												
	Trachelomonas								7				
	Unknown Chrysophyte						3						
	Chrysophyte												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 80  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71			
GREEN	Actinastrum	18	8	17	12	12	24					
	Ankistrodesmus											
	Arthrodesmus											
	Bitrichia											
	Botryococcus											
	Characium											
	Closterium											
	Coelastrum											
	Cosmarium											
	Crucigenia											
	Dictyosphaerium											
	Elakatothrix											
	Gloeocystis											
	Golenkinia											
	Kirchneriella											
	Lagerheimia											
	Micractinium											
	Mougeotia											
	Nephrocytium											
	Euastrum											
	Desmidium											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 80 (Cont.)  
 PHYTOPLANKTON  
 ALBANY RIVER BASIN

Lower Twin Lake

Latitude 50°10'; Longitude 86°31'

GROUP	GENUS	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Pectodictyon Unknown Green			P 4	20	2		6	2				
				2 9		1		5					
			1 2					P					
				4 P 2	3	6		P					
					36								
					2								
		10	3	3	1								
				1									

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 81  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 82  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
DIATOMS	Achnanthes				1								
	Amphiprora												
	Amphora												
	Asterionella		3										
	Attheya												
	Coccneis		6	4									
	Cyclotella	36	37	36	25	31	11	9	14	4	15		
	Cymbella			6									
	Diatoma												
	Epithemia												
	Eunotia			3		18							
	Fragilaria		9	15	9	75							
	Melosira	45	53		23	20	34	7	13			50	364
	Navicula					5							
	Nitzschia		6	5		1	2	10	1				
	Pinnularia												
	Rhizosolenia		19										
	Stauroneis												
	Surirella												
	Stephanodiscus	34		13		6							
	Synedra	401	475	19	120	63	60	75	50	59	73		
	Tabellaria	43	7	27			24						
	Cymatopleura												
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatoms												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 83  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude  $50^{\circ}18'$ ; Longitude  $87^{\circ}13'$

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
FLAGELLATES	Carteria												
	Ceratium												4
	Chlamydomonas	13	22	2		4	3	43	27				
	Chlorogonium							4	1				
	Chrysophytes												
	Cryptomonas												
	Dinobryon	20	11	6	6	51	25	13	12	6			
	Euglena		30	45	41		23	53	17	28			
	Glenodinium					8				85			
	Mallomonas												
	Ochromonas												
	Peridinium	6	43				5	7	24	2	3		
	Phacus												4
	Rhodomonas				4	4	26	14	11	4	17		
	Synura												
	Trachelomonas												
	Unknown Chrysophyte			43	2	13		P	10	2			
	Pandorina												
	Stipitococcus										2		

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 84  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

Units are given in Areal Standard Units per millilitre

**P = Present**

TABLE 85 (Cont.)  
 PHYTOPLANKTON  
 ALBANY RIVER BASIN

Lucy Lake

Latitude 50°18'; Longitude 87°13'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71		
GREEN	Oedogonium								10				
	Oocystis	1	2	2	12	11	18	6	10	18	12		
	Ophiocytium				1						14		
	Pediastrum			3	1				3	1			
	Quadrigula			1						2	2		
	Scenedesmus	2	3	1	17	8	6	12	1	1			
	Schroederia												
	Selenastrum								2	P			
	Sphaerocystis							2					
	Spondylosium							2		6			
	Staurastrum					P							
	Tetraëdron	1	6	7	P	6			P	1			
	Treubaria										2		
	Ulothrix						18						
	Unknown Green												
	Pectodictyon												
	Unknown Green												

Units are given in Areal Standard Units per millilitre  
 P = Present

TABLE 85  
PHYTOPLANKTON  
ALBANY RIVER BASIN

**Units are given in Areal Standard Units per millilitre**  
**P = Present**

TABLE 86  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
DIATOMS	Achnanthes												
	Amphiprora												
	Amphora												
	Asterionella												
	Attheya												
	Caloneis	5											
	Cyclotella		1										
	Cymbella			5									
	Diatoma				3								
	Epithemia												
	Eunotia	1											
	Fragilaria												
	Frustulua	3											
	Melosira	9											
	Navicula	1	3		4								
	Nitzschia					11							
	Pinnularia												
	Rhizosolenia												
	Stuaroneis												
	Surirella												
	Stephanodiscus												
	Synedra												
	Tabellaria												
	Cymatopleura												
	Cocconeis												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 87  
PHYTOPLANKTON  
ALBANY RIVER BASIN

String Bog

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	48	38	22	14	36	14	31	8				
	Chlorogonium												
	Cryptomonas	16	8	12	49								
	Dinobryon	21	4	5	44	99	12	51					
	Euglena	6					3		126				
	Glenodinium												
	Mallomonas		2	89	74	55							
	Ochromonas		P										
	Peridinium	5	5	21		15							
	Phacus												
	Rhodomonas												
	Stipitococcus	3	1	11									
	Synura												
	Trachelomonas												
	Unknown Chrysophyte			53	341	315	197	146	494				
	Chrysophyte												
	Pandorina												
	Unknown Flagellates								3				

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 88  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	String Bog									
		June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Actinastrum										
	Ankistrodesmus		1	1							
	Arthrodesmus	7									
	Bitrichia			14	14						
	Botryococcus		8								
	Characium										
	Closterium	6	1								
	Coelastrum	2	P	6							
	Cosmarium	9	5	2	7						
	Crucigenia										
	Dictyosphaerium										
	Elakatothrix			5							
	Euastrum			4							
	Gloeocystis										
	Golenkinia										
	Kirchneriella										
	Lagerheimia										
	Micractinium										
	Mougeotia										
	Nephrocytium										
	Euastrum					36					
	Desmidium										

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 88 (Cont.)  
 PHYTOPLANKTON  
 ALBANY RIVER BASIN

String Bog

Latitude 51°31'; Longitude 85°44'

GROUP	GENUS	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Pectoplectyon Unknown Green	21	14 37	51 9	33	39	26	55					
		11		P			1		8				
			5					1		36			

Units are given in Areal Standard Units per millilitre  
 P = Present

TABLE 89  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	Wabemeig Lake									
		June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71	
BLUE GREEN	Anabaena	154		327	549	1034	441		366	1512	
	Aphanizomenon						146		293	27	
	Aphanocapsa				810	880	126	103		1046	
	Aphanothece	8488		6533	984	1368	1768	8821	4189	3014	
	Chroococcus	361	9	885	170	304	563	9	69	343	
	Coelosphaerium										
	Dactylococcopsis			3							
	Gloeocapsa										
	Gloeothecea					1575	842	726			
	Gomphosphaeria					418					
	Lyngbya	2411		1043	859	1276	1512	1176	1522		
	Marssonella								3667	1744	
	Merismopedia	23		50		1666	29		549		
	Microcystis	1799		297					4946	237	
	Nostoc										
	Oscillatoria										
	Pelodictyon										
	Pelogloea										
	Phormidium										
	Rhaboderma										
	Spirulina						95				
	Tetrapedia						91		149		
	Unknown Blue Green										
	Syctonemia										

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 90  
PHYTOPLANKTON  
ALBANY RIVER BASIN

## Wabemeig Lake

Latitude 51°28': Longitude 85°35'

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 91  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	Wabemeig Lake		Latitude 51° 28'; Longitude 85° 35'							
		June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71	
FLAGELLATES	Carteria										
	Ceratium										
	Chlamydomonas	197	38	19	5	23			51	64	
	Chlorogonium										
	Cryptomonas		26								
	Dinobryon		62	91							
	Euglena										
	Glenodinium										
	Mallomonas										
	Ochromonas										
	Peridinium										
	Phacus										
	Rhodomonas										
	Stipitococcus										
	Synura										
	Trachelomonas										
	Unknown Chrysophyte										
	Chrysophyte										
	Pandorina										

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 92  
PHYTOPLANKTON  
ALBANY RIVER BASIN

Wabemeig Lake

Latitude 51°28'; Longitude 85°35'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	<i>Actinastrum</i>												
	<i>Ankistrodesmus</i>	22	4	14	21	33	26		28	24			
	<i>Arthrodesmus</i>					P	P						
	<i>Bitrichia</i>										16		
	<i>Botryococcus</i>		8	P		P	P						
	<i>Characium</i>												
	<i>Closterium</i>												
	<i>Coelastrum</i>	P		31									
	<i>Cosmarium</i>			P									
	<i>Crucigenia</i>	20	3	22		P							
	<i>Dictyosphaerium</i>	23				9	13	16					
	<i>Elakatothrix</i>					9	45						
	<i>Gloeocystis</i>												
	<i>Golenkinia</i>		1										
	<i>Kirchneriella</i>					60							
	<i>Lagerheimia</i>		2	4	6								
	<i>Micractinium</i>						6	7	45				
	<i>Mougeotia</i>												
	<i>Nephrocytium</i>												
	<i>Euastrum</i>									136			
	<i>Desmidium</i>												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 92 (Cont.)  
PHYTOPLANKTON  
ALBANY RIVER BASIN

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	<i>Oedogonium</i>			360	P	38	250			87		
	<i>Oocystis</i>	114	72	111	62	479	328	82	22	69		
	<i>Ophiocytium</i>					80						
	<i>Pectodictyon</i>					27						
	<i>Pediastrum</i>	65	8	40	17	P					16	
	<i>Quadrigula</i>											
	<i>Scenedesmus</i>	538	3	163	82	137	73	15	98	42		
	<i>Schroederia</i>						9					
	<i>Selenastrum</i>											
	<i>Sphaerocystis</i>					21						
	<i>Spondylosium</i>				11	16						
	<i>Staurastrum</i>	P		357	190	48	P	38	43	43		
	<i>Tetraedron</i>	17		2	36		47	47	27	50		
	<i>Treubaria</i>											
	<i>Ulothrix</i>									84		
	Unknown Green									12		

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 93  
 PHYTOPLANKTON  
 ATTAWAPISKAT RIVER BASIN  
 Streatfield Lake      Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
BLUE GREEN	<i>Anabaena</i>			P		701	213		464		365	
	<i>Aphanizomenon</i>					120	38		138		274	
	<i>Aphanocapsa</i>		670			P	1007		249	784		
	<i>Aphanothecce</i>	3565	544	25637	776	495	7234	253	8627	9474		
	<i>Chroococcus</i>	1283	13	871	918	878	270	613	149	15		
	<i>Coelosphaerium</i>				20		10					
	<i>Dactylococcopsis</i>					1512	292					
	<i>Gloeocapsa</i>											
	<i>Gloeotheca</i>											
	<i>Gomphosphaeria</i>	171										
	<i>Lyngbya</i>	1883	1061	1140	1884	2286	3968	2035	2361	4247		
	<i>Marssonella</i>									111		
	<i>Merismopedia</i>											
	<i>Microcystis</i>					1525						
	<i>Nostoc</i>						13					
	<i>Oscillatoria</i>			P								
	<i>Pelodictyon</i>											
	<i>Pelogloea</i>											
	<i>Phormidium</i>											
	<i>Rhaboderma</i>											
	<i>Tetrapedia</i>											
	<i>Spirulina</i>											
	<i>Syctonema</i>											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 94  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

GROUP	GENUS	Streatfield Lake		Latitude 52°08'; Longitude 85°53'							
		June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71	
DIATOMS	Achnanthes			3							
	Amphiprora										
	Amphora										
	Asterionella										
	Attheya										
	Cyclotella			17							
	Cymbella										
	Diatoma										
	Epithemia										
	Eunotia										
	Fragilaria	400									
	Gyrosigma	571									
	Melosira										
	Navicula										
	Nitzschia	21	6	93							
	Pinnularia			P							
	Rhizosolenia	79	32	171							
	Stauroneis										
	Surirella										
	Stephanodiscus										
	Synedra	119	77	43							
	Tabellaria		64	P							
	Cymatopleura										
	Coccconeis										
	Caloneis										
	Frustulia										
	Unknown Diatom										

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 95  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake

Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	100	58	89	8	4	85	8	63	59			
	Chlorogonium		P										
	Cryptomonas		217	98									
	Dinobryon												
	Euglena												
	Mallomonas												
	Ochromonas												
	Peridinium												
	Phacus		23	P									
	Rhodomonas												
	Stipitococcus												
	Synura		39										
	Trachelomonas												
	Unknown Chrysophyte												
	Chrysophyte												
	Glenodinium												
	Panorina												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 96  
PHYTOPLANKTON  
ATTAWAPISKAT RIVER BASIN

Streatfield Lake

Latitude 52° 08'; Longitude 85° 53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
GREEN	Actinastrum Ankistrodesmus Arthrodesmus Botryococcus Characium Closterium Coelastrum Cosmarium Crucigenia Dictyosphaerium Elakatothrix Euastrum Gloeocystis Golenkinia Kirchneriella Lagerheimia Micractinium Mougeotia Nephrocytium Bitrichia Desmidium				14 142	3 P		15 50					

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 96 (Cont.)  
 PHYTOPLANKTON  
 ATTAWAPISKAT RIVER BASIN

Streatfield Lake

Latitude 52°08'; Longitude 85°53'

GROUP	GENUS	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
GREEN	Oedogonium			36	114	89		42				
	Oocystis	58	4	83	443	98	18	80	146	125		
	Ophiocytium					P						
	Pediastrum	49			16	P	36		47			
	Quadrigula			P	P							
	Scenedesmus	490	53	640	653	328	481	331	417	246		
	Schroederia											
	Selenastrum											
	Sphaerocystis											
	Spondylosium					P	7		6			
	Staurastrum		P		106	25		8		54		
	Tetraëdron			13	4	15	27	18		23		
	Treubaria							20				
	Ulothrix											
	Unknown Green											
	Pectodictyon											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 97  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude  $49^{\circ}00'$ ; Longitude  $83^{\circ}23'$

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
BLUE GREEN	<i>Anabaena</i>			5	42	21	23	193	369	478			
	<i>Aphanizomenon</i>				34	20		413	1041	847			
	<i>Aphanocapsa</i>			118	103								
	<i>Aphanothece</i>		7	3	83	61	168	98					
	<i>Chroococcus</i>	2	9	21	91	27	13	51		53			
	<i>Coelosphaerium</i>					1	3		P				
	<i>Dactylococcopsis</i>												
	<i>Gloeocapsa</i>												
	<i>Gloeothecea</i>												
	<i>Gomphosphaeria</i>			16	38	31	22	79					
	<i>Lyngbya</i>	4		3	8	2	173	889	68				
	<i>Marssonella</i>												
	<i>Merismopedia</i>									51			
	<i>Microcystis</i>						2						
	<i>Nostoc</i>												
	<i>Oscillatoria</i>		3	7	9	47	35	5	98				
	<i>Pelodictyon</i>												
	<i>Pelogloea</i>												
	<i>Phormidium</i>												
	<i>Rhaboderma</i>												
	<i>Tetrapedia</i>												
	<i>Spirulina</i>												
	<i>Syctonema</i>												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 98  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude 49° 00'; Longitude 83° 23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
DIATOMS	Achnanthes Amphiprora Amphora Asterionella Attheya Cyclotella Cymbella Diatoma Epithemia Eunotia Fragilaria Melosira Navicula Nitzschia Pinnularia Rhizosolenia Stauroneis Surirella Stephanodiscus Synedra Tabellaria Cymatopleura Cocconeis Caloneis Frustulia Gyrosigma Unknown Diatom												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 99  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude 49° 00'; Longitude 83° 23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	10	55	90	3	2	19	288	45	62			
	Chlorogonium												
	Cryptomonas	14	11	10	5	5	28	93	93				
	Dinobryon	352						21		31			
	Euglena												
	Mallomonas												
	Ochromonas												
	Peridinium												
	Phacus												
	Rhodomonas												
	Synura												
	Trachelomonas												
	Unknown Chrysophyte												
	Chrysophyte					1	3			57			
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 100  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Brunswick Lake

Latitude 49°00'; Longitude 83°23'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Actinastrum Ankistrodesmus Arthrodesmus Bitrichia Botryococcus Characium Closterium Coelastrum Cosmarium Crucigenia Dictyosphaerium Elakatothrix Gloeocystis Golenkinia Kirchneriella Lagerheimia Micractinium Mougeotia Nephrocytium Euastrum Dismidium	2	5	13	3		12	28	34				
				19	1	19		2					
				5	3		4	14	19	49			
				2	4		2	6	8				
				11	2	43				24			
				P									

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 100 (Cont.)  
 PHYTOPLANKTON  
 MOOSE RIVER BASIN

Brunswick Lake

Latitude  $49^{\circ}00'$ ; Longitude  $83^{\circ}23'$

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Pectodictyon Unknown Green	2  3	1  2	30  2	33  1	17  2	7  9	19  50					

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 101  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
BLUE GREEN	Anabaena			3	188	P 36	3	138	121	29			
	Aphanizomenon					168	177	196	45				
	Aphanocapsa												
	Aphanothece				30								
	Chroococcus	2	6	9		27	41	59	48	18			
	Coelosphaerium						260						
	Dactylococcopsis		P			14							
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria												
	Lyngbya												
	Marssonella												
	Merismopedia												
	Microcystis												
	Nostoc												
	Oscillatoria												
	Pelodictyon	7	12			P	79	84	253	647			
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 102  
PHYTOPLANKTON  
MOOSE RIVER BASIN

GROUP	GENUS	Pierre Lake		Latitude 49°31'; Longitude 80°44'										
		June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71					
DIATOMS	Achnanthes													
	Amphiprora													
	Amphora													
	Asterionella	7	2			P	142	103	22					
	Attheya					4	5	3						
	Cyclotella	1	2			16								
	Cymbella													
	Diatoma	3												
	Epithemia													
	Eunotia								1					
	Fragilaria							P						
	Melosira	68	18	27	67	157	402	321	156					
	Navicula													
	Nitzschia	9	8	2	4	6	5	12						
	Pinnularia				24									
	Rhizosolenia													
	Staurocoleis													
	Surirella													
	Stephanodiscus													
	Synedra	12	10	6		P	55	92	P					
	Tabellaria	75	9			P	2	7						
	Cymatopleura					P	54	32	34					
	Cocconeis													
	Caloneis													
	Frustulia													
	Gyrosiguma													
	Unknown Diatom													

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 103  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	49	53	89	5	5	7	10	4				
	Chlorogonium						2						
	Chrysophyte						10						
	Cryptomonas	26	2	8	36			13					
	Dinobryon	128	4			47		42		17			
	Euglena								3				
	Mallomonas				5								
	Ochromonas												
	Peridinium						7						
	Phacus												
	Rhodomonas							7					
	Synura							5					
	Trachelomonas							6					
	Unknown Chrysophyte												
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 104  
PHYTOPLANKTON  
MOOSE RIVER BASIN

## Pierre Lake

Latitude  $49^{\circ}31'$ ; Longitude  $80^{\circ}44'$

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 104 (Cont.)  
 PHYTOPLANKTON  
 MOOSE RIVER BASIN

Pierre Lake

Latitude 49°31'; Longitude 80°44'

GROUP	GENUS	June 8/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71				
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Pectodictyon Unknown Green		P	13	3	11		2					
		1	2			61							
			P	30	2	4			1				
				3						P			
		1											

Units are given in Areal Standard Units per millilitre  
 P = Present

TABLE 105  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude 49° 25'; Longitude 82° 10'

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
BLUE GREEN	Anabaena	8	49	41	328	452	1127	264	63				
	Aphanizomenon	P			589	235	140	147	136				
	Aphanocapsa		62		9	321							
	Aphanothece		24	1500	778		13	630	905				
	Chroococcus	9	16	22	71	4	17	2	32				
	Coelosphaerium												
	Dactylococcopsis			1		4							
	Gloeocapsa												
	Gloeotheca												
	Gomphosphaeria		30	3		34	157	359					
	Lyngbya		1	2	117	57	55	154	210				
	Marssonella												
	Merismopedia			1				2	21				
	Microcystis					3							
	Nostoc												
	Oscillatoria	109	49	67		48	335	140					
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia				1								
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 106  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake		Latitude 49°25'; Longitude 82°10'											
GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
DIAATOMS	Achnanthes			2		4			1				
	Amphiprora								3				
	Amphora												
	Asterionella	20			400	115	276	420					
	Attheya												
	Cyclotella	11	11	9	31	21	14	22	6				
	Cymatopleura					50							
	Cymbella					P							
	Diatoma							5					
	Epithemia												
	Eunotia	1					3						
	Fragilaria						101						
	Melosira	445	56	41	87	461	522	48	49				
	Navicula			1	4								
	Nitzschia					22	8						
	Pinnularia				3	28	50						
	Rhizosolenia												
	Stauroneis					25							
	Surirella					1							
	Stephanodiscus	32											
	Synedra	58											
	Tabellaria	70	5	57			40	52					
	Cocconeis							P					
	Caloneis												
	Frustulia												
	Gyrosigma												
	Unknown Diatom												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 107  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude  $49^{\circ}25'$ ; Longitude  $82^{\circ}10'$

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	13	105	P 133	14	P 6	106	60	6	11			
	Chlorogonium												
	Cryptomonas	5	7		21	19	35	86	48				
	Dinobryon	70	4		14	20	42	53	93				
	Euglena							23					
	Mallomonas												
	Ochromonas												
	Peridinium												
	Phacus	4		1	4				6				
	Rhodomonas												
	Synura												
	Trachelomonas												
	Unknown Chrysophyte												
	Chrysophyte												
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 108  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Remi Lake

Latitude  $49^{\circ}25'$ ; Longitude  $82^{\circ}10'$ 

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
GREEN	<i>Actinastrum</i> <i>Ankistrodesmus</i> <i>Arthrodesmus</i> <i>Botryococcus</i> <i>Characium</i> <i>Closterium</i> <i>Coelastrum</i> <i>Cosmarium</i> <i>Crucigenia</i> <i>Dictyosphaerium</i> <i>Elakatothrix</i> <i>Cloeocystis</i> <i>Golenkinia</i> <i>Kirchneriella</i> <i>Lagerheimia</i> <i>Micractinium</i> <i>Mougeotia</i> <i>Nephrocytium</i> <i>Euastrum</i> <i>Bitrichia</i> <i>Desmidium</i>	3  28  3  2  3	3  P  3  10	10  P  3  10	22  15  4	1  14  4	13  2  6						

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 108 (Cont.)  
 PHYTOPLANKTON  
 MOOSE RIVER BASIN

Remi Lake

Latitude  $49^{\circ}25'$ ; Longitude  $82^{\circ}10'$

GROUP	GENUS	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71				
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Unknown Green Pectodictyon Unknown Green		3	26	3	10	65	13					
					2	5	6			10			
					1			1	5				
						P				14			
						1	1		P				
							30	7			1		

Units are given in Areal Standard Units per millilitre  
 P = Present

TABLE 109  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49° 04'; Longitude 82° 35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
BLUE GREEN	Anabaena	1		13	16	400	1521	877	563				
	Aphanizomenon				34	108	329	130	175				
	Aphanocapsa												
	Aphanothece												
	Chroococcus		P	15	36	8	23	135					
	Coelosphaerium						8	14					
	Dactylococcopsis	2											
	Gloeocapsa												
	Gloeothecea												
	Gomphosphaeria	39		97	108	209	254						
	Lyngbya	32	42	91	656	785	286	460	224				
	Marssonella		45						101				
	Merismopedia												
	Microcystis					39							
	Nostoc												
	Oscillatoria												
	Pelodictyon												
	Pelogloea												
	Phormidium												
	Rhaboderma												
	Tetrapedia												
	Spirulina												
	Syctonema												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 110  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
DIATOMS	<i>Achnanthes</i>			1	12	2	12					
	<i>Amphiprora</i>											
	<i>Amphora</i>											
	<i>Asterionella</i>		5									
	<i>Attheya</i>									30		
	<i>Cyclotella</i>	20	29	21	9	10						
	<i>Cymatopleura</i>					250						
	<i>Cymbella</i>	2	3	1								
	<i>Diatoma</i>											
	<i>Epithemia</i>											
	<i>Eunotia</i>								11			
	<i>Fragilaria</i>				5							
	<i>Melosira</i>	8	58	19	30	84	355			49		
	<i>Navicula</i>		P		4							
	<i>Nitzschia</i>	7	8	2	13	2	7	13				
	<i>Pinnularia</i>											
	<i>Rhizosolenia</i>	3		23	19		12	9				
	<i>Stauroneis</i>											
	<i>Surirella</i>											
	<i>Stephanodiscus</i>	20							18			
	<i>Synedra</i>	3	24			7	23	52	2			
	<i>Tabellaria</i>					P						
	<i>Coccconeis</i>											
	<i>Caloneis</i>											
	<i>Frustulia</i>											
	<i>Gyrosigma</i>											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 111  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49°04'; Longitude 82°35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
FLAGELLATES	Carteria												
	Ceratium												
	Chlamydomonas	19	59	46	3	19	16	34	15				
	Chlorogonium												
	Cryptomonas	12	19	5	5	6	30	11	66				
	Dinobryon	17			4				211				
	Euglena												
	Mallomonas								10				
	Ochromonas												
	Peridinium						P						
	Phacus					1	3	3	22	114			
	Rhodomonas						3	5	50	10			
	Synura												
	Trachelomonas												
	Unknown Chrysophyte												
	Chrysophyte												
	Glenodinium												
	Pandorina												
	Stipitococcus												

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 112  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Saganash Lake

Latitude 49° 04'; Longitude 82° 35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Actinastrum Ankistrodesmus Arthrodesmus Bitrichia Boltryococcus Characium Closterium Coelastrum Cosmarium Crucigenia Dictyosphaerium Elakatothrix Gloeocystis Golenkinia Kirchneriella Lagerheimia Micractinium Mougeotia Nephrocytium Euastrum Desmidium	3 13	5 25		13 11 17	9 10	24 3	10 7	28 65				

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 112 (Cont.)  
 PHYTOPLANKTON  
 MOOSE RIVER BASIN

Saganash Lake

Latitude 49° 04'; Longitude 82° 35'

GROUP	GENUS	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	Oedogonium Oocystis Ophiocytium Pediastrum Quadrigula Scenedesmus Schroederia Selenastrum Sphaerocystis Spondylosium Staurastrum Tetraëdron Treubaria Ulothrix Unknown Green Pectodictyon	1  P  P	6 P — P	1 3	P — P	3 11	3 54	257					

Units are given in Areal Standard Units per millilitre  
 P = Present

TABLE 113  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude  $49^{\circ}47'$ ; Longitude  $83^{\circ}33'$

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
BLUE GREEN	<i>Anabaëna</i>			16	P		67	321					
	<i>Aphanizomenon</i>						12						
	<i>Aphanocapsa</i>						9						
	<i>Aphanothece</i>						6						
	<i>Chroococcus</i>		6	38	21	13		22					
	<i>Coelosphaerium</i>			74									
	<i>Dactylococcopsis</i>												
	<i>Gloeocapsa</i>												
	<i>Gloeothecea</i>												
	<i>Gomphosphaeria</i>												
	<i>Lyngbya</i>												
	<i>Marssonella</i>												
	<i>Merismopedia</i>						2						
	<i>Microcystis</i>												
	<i>Nostoc</i>												
	<i>Oscillatoria</i>												
	<i>Pelodictyon</i>												
	<i>Pelogloea</i>												
	<i>Phormidium</i>												
	<i>Rhaboderma</i>												
	<i>Tetrapedia</i>												
	<i>Spirulina</i>												
	<i>Syctonema</i>												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 114  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
DIATOMS	Achnanthes		1	6	3							
	Amphiprora			87								
	Amphora											
	Asterionella			5	9							
	Attheya								11	47		
	Cyclotella		1	7	26	P	14			15		
	Cymbella											
	Diatoma											
	Epithemia											
	Eunotia											
	Fragilaria	390	P									
	Melosira	183	162	P						233		
	Navicula	7	4									
	Nitzschia	8	21	30	1	5						
	Pinnularia											
	Rhizosolenia			4	184				3	34		
	Stauroneis											
	Surirella											
	Stephanodiscus											
	Synedra											
	Tabellaria	12	56	11	P	2	3	8	24			
	Cymatopleura							95				
	Coccconeis											
	Caloneis											
	Frustulia											
	Gyrosigma											
	Unknown Diatom											

Units are given in Areal Standard Units per millilitre

P = Present

TABLE 115  
PHYTOPLANKTON  
MOOSE RIVER BASIN

GROUP	GENUS	Shannon Lake		Latitude 49°47'; Longitude 83°33'								
		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
FLAGELLATES	Carteria											
	Ceratium											
	Chlamydomonas											
	Chlorogonium											
	Unknown Chrysophyte											
	Glenodinium											
	Cryptomonas											
	Dinobryon											
	Euglena											
	Mallomonas											
	Ochromonas											
	Peridinium											
	Phacus											
	Rhodomonas											
	Synura											
	Trachelomonas											
	Pandorina											
	Stipitococcus											

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 116  
PHYTOPLANKTON  
MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
GREEN	<i>Actinastrum</i>				1		9	11	7	2			
	<i>Ankistrodesmus</i>					22							
	<i>Arthrodesmus</i>						5						
	<i>Bitrichia</i>						P						
	<i>Botryococcus</i>					11							
	<i>Characium</i>												
	<i>Closterium</i>												
	<i>Coelastrum</i>												
	<i>Cosmarium</i>												
	<i>Crucigenia</i>												
	<i>Dictyosphaerium</i>												
	<i>Elakatothrix</i>												
	<i>Gloeocystis</i>												
	<i>Golenkinia</i>												
	<i>Kirchneriella</i>												
	<i>Lagerheimia</i>												
	<i>Micractinium</i>												
	<i>Mougeotia</i>												
	<i>Nephrocytium</i>												
	<i>Euastrum</i>												
	<i>Desmidium</i>												

Units are given in Areal Standard Units per millilitre  
P = Present

TABLE 116 (Cont.)  
 PHYTOPLANKTON  
 MOOSE RIVER BASIN

Shannon Lake

Latitude 49°47'; Longitude 83°33'

GROUP	GENUS		June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
GREEN	Oedogonium											
	Oocystis		20	21	25	13	59	34	61			
	Ophiocytium											
	Pediastrum		34	14	18	8	34	15	24			
	Quadrigula					P	32	7				
	Scenedesmus		4	8	10	3	19	6	42			
	Schroederia			1								
	Selenastrum		2		5	2		3	7			
	Sphaerocystis							4				
	Spondylosium											
	Staurastrum				P							
	Tetraëdron		2	6	2	1	20					
	Treubaria											
	Ulothrix											
	Pectodictyon											
	Unknown Green											

Units are given in Areal Standard Units per millilitre  
 P = Present

TABLE 117  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM	Arthropoda	BOG LAKE											
CLASS	Crustacea	Latitude 51° 31'; Longitude 85° 44'											
ORDER	Cladocera	GENUS	SPECIES	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
		Acroperus	harpae										
		Alona	affinis										
		Alona	guttata										
		Alona	sp.										
		Allonella	sp.										
		Bosmina	sp.										
		Canthocamptus	oregonensis										
		Ceriodaphnia	lacustris										
		Ceriodaphnia	reticulata										
		Ceriodaphnia	sp.										
		Chydorus	sphaericus	7	16	40				28	128		
		Daphnia	catawba									8	
		Daphnia	galeata mendotae	3		1				14		8	
		Daphnia	longiremis										
		Daphnia	middendorffiana										
		Daphnia	pulex										
		Daphnia	retrocurva										
		Daphnia	rosea										
		Daphnia	sp.										
		Diaphanosoma	leuchtenbergianum										
		Eury cercus	lamellatus										
		Holopedium	gibberum	20	16	44	420	28	344				
		Leptodora	kindtii	1	1	3	12	42					
		Macrothrix	sp.										
		Ophryoxus	gracilis										
		Pleuroxus	sp.										
		Polyphemus	pediculus										
		Rhynchotalona	falcata										
		Sida	crystallina							14			
		Streblocerus	serricaudatus										
Volume of Water Sampled in Litres				17.2	17.2	17.2	34.4	34.4	34.4				

TABLE 118  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

BOG LAKE

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71						
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis	5	3	8			272						
Diaptomus	minutus	6	3				24						
Diaptomus	sicilis						24						
Diaptomus	ashlandi												
Diaptomus	sp.		20	12	36	126							
Epischura	lacustris	2	2			14							
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocamptus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi		5				48						
Cyclops	vernalis			2			8						
Cyclops	scutifer												
Cyclops	sp.	4	4	9	24	154	376						
Mesocyclops	edax			2	12		8						
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus		1										
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii	2	6	18	48	28	8						
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		17.2	17.2	17.2	34.4	34.4	34.4						

TABLE 119  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

BLUEGOOSE LAKE

Latitude 50°00'; Longitude 84°04'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.											
Canthocamptus	oregonensis	1	67	46	203	403	490	120	206	540		
Ceriodaphnia	lacustris	1	11	3	8			28		58	36	
Ceriodaphnia	reticulata							14				
Ceriodaphnia	sp.											
Chydorus	sphaericus											
Daphnia	catawba											
Daphnia	galeata mendotae											
Daphnia	longiremis											
Daphnia	midendorffiana											
Daphnia	pulex	20	2									
Daphnia	retrocurva		6									
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eurycercus	lamellatus											
Holopedium	gibberum	1	28	8	16	44						
Leptodora	kindtii			2	8	11						
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus							24				
Volume of Water Sampled in Litres		24.1	13.8	13.8	17.2	27.5	34.4	34.4	34.4	34.4		

TABLE 120  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

BLUEGOOSE LAKE

Latitude 50°00'; Longitude 84°04'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis		4	19		4	17	8	14		9	24
Diaptomus	minutus			1								
Diaptomus	sicilis											
Diaptomus	ashlandi								14			
Diaptomus	sp.	7	17	13	33	31		98	72	182		96
Epischura	lacustris		1	1				14				
Limnocalanus	macrurus											
<u>SUB-ORDER Harpacticoida</u>												
Canthocamptus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi			17		3			24		1	
Cyclops	vernalis			6		7						
Cyclops	scutifer											
Cyclops	sp.				1	22	38	28	120	234	288	
Mesocyclops	edax	1	2		6	1		24				
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	1	6	6	7	47	28		51	48		
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		24.1	13.8	13.8	17.2	27.5	34.4	34.4	34.4	34.4		

TABLE 121  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

BLUEJAY LAKE

Latitude 50° 02'; Longitude 84° 08'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 20/71	Sept. 27/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.											
Canthocampus	oregonensis	10	12	24	10	60	10	36	50	50		
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus								12			
Daphnia	catawba			60								
Daphnia	galeata mendotae								36			
Daphnia	longiremis										20	
Daphnia	middendorffiana	20					10	200	348	240	1020	
Daphnia	pulex		12			130						
Daphnia	retrocurva		12									
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum						10					
Eury cercus	lamellatus										70	
Holopedium	gibberum											
Leptodora	kindtii											
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		168.6	137.6	154.8	178.9	172.0	192.6	161.7	151.4	189.2		

TABLE 122  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

BLUEJAY LAKE

Latitude 50°02'; Longitude 84°08'

GENUS	SPECIES	June 11/71	June 23/71	July 1/71	July 18/71	July 27/71	Aug. 15/71	Aug. 28/71	Sept. 9/71	Sept. 27/71		
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis											
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi	140	4872	3276	4810							
Diaptomus	sp.	1880			30	4730						
Epischura	lacustris	10	48	84	110	140						
Limnocalanus	macrurus											
<u>SUB-ORDER Harpacticoida</u>												
Canthocamptus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi											
Cyclops	vernalis											
Cyclops	scutifer	430	156	60	550	260	140	12	10	50		
Cyclops	sp.			204	650	650	50	432	400	350		
Mesocyclops	edax											
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	120	60	72	20	30		60	30	50		
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		168.6	137.6	154.8	178.9	172.0	192.6	161.7	151.4	189.2		

TABLE 123  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

LINGEN LAKE

Latitude 51°55'; Longitude 85°15'

GENUS	SPECIES	June 7/71		June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.											
Canthocamptus	oregonensis	24		45	6	9	2	22	288	730		
Ceriodaphnia	lacustris							1				
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus		3		3		5	22	72			
Daphnia	catawba									110		
Daphnia	galeata mendotae		8	29	30	20	10	53	216	60		
Daphnia	longiremis							1		510		
Daphnia	middendorffiana				5	7	3	2		10		
Daphnia	pulex											
Daphnia	retrocurva							5				
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eurycercus	lamellatus											
Holopedium	gibberum											
Leptodora	kindtii	8			1		1					
Macrothrix	sp.	1					1	1				
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		20.6		13.8	17.2	17.2	20.6	34.4	31.0	27.5		

TABLE 124  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

LINGEN LAKE

Latitude 51°55'; Longitude 85°15'

GENUS	SPECIES	June 7/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis			2	3	5	5			10		
Diaptomus	minutus	2	2	16	5	31	18	132		110		
Diaptomus	sicilis											
Diaptomus	ashlandi											
Diaptomus	sp.		16									
Epischura	lacustris	3	38	13	6	18	89	276		70		
Limnocalanus	macrurus						17			10		
<u>SUB-ORDER Harpacticoida</u>												
Canthocampus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi		22	23	59	48	13	24		70		
Cyclops	vernalis						10			20		
Cyclops	scutifer											
Cyclops	sp.	339	221	51	50	20	117	312		140		
Mesocyclops	edax											
Mesocyclops	leuckarti											
Eucyclops	agilis					2	1					
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	21			9	7	25	84		10		
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		20.6	13.8	17.2	17.2	20.6	34.4	31.0	27.5			

TABLE 14  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

LOWER TWIN LAKE

Latitude 50°18'; Longitude 86°31'

GENUS	SPECIES	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.												
Canthocamptus	oregonensis	168	312	300	336	252	250	384	430				
Ceriodaphnia	lacustris								10				
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus	12	56					20	24	100			
Daphnia	catawba												
Daphnia	galeata mendotae												
Daphnia	longiremis	60	16	80	120	168	280	288	290				
Daphnia	middendorffiana			10									
Daphnia	pulex									12			
Daphnia	retrocurva												
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum												
Eurycercus	lamellatus												
Holopedium	gibberum												
Leptodora	kindtii												
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		244.2	185.8	275.0	233.9	223.6	206.4	206.4	206.4				

TABLE 126  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

LOWER TWIN LAKE

Latitude 50°18'; Longitude 86°31'

GENUS	SPECIES	June 12/71	June 26/71	July 20/71	July 25/71	Aug. 1/71	Aug. 15/71	Sept. 2/71	Sept. 15/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis				32	14		72					
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi	180	192	510	144	630	1000	300	50				
Diaptomus	sp.				224	70		708	410				
Epischura	lacustris	12	160	160	128	56	100	48	40				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocampus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	828	440	110	656	770	170	744	150				
Cyclops	vernalis		24	50			50	48	60				
Cyclops	scutifer	660	176	20									
Cyclops	sp.	1944	64	990			530	30	96	1160			
Mesocyclops	edax		32	20		70							
Mesocyclops	leuckarti												
Eucyclops	agilis							10					
Tropocyclops	prasinus mexicanus												
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii	108	320	180	16	378	40	264	20				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		244.2	185.8	275.0	233.9	223.6	206.4	206.4	206.4				

TABLE 127  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

LUCY LAKE

Latitude 50°18'; Longitude 87°13'

GENUS	SPECIES	June 6/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	176	182	1040	1620	784	360	204	140	112	392	
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris									20		
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus	160	42	640	610	182	324	192	280	658		
Daphnia	catawba											
Daphnia	galeata mendotae		28	48	40				48	20		
Daphnia	longiremis		42	48		98				20	56	
Daphnia	middendorffiana	16										
Daphnia	pulex											
Daphnia	retrocurva			208	580	630	420	384	400	938	840	
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eury cercus	lamellatus											
Holopedium	gibberum		28									
Leptodora	kindtii		14			10	14	48				
Macrothrix	sp.						12	48		10		14
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchosalona	falcata											
Sida	crystallina									10		
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		158.2	120.4	178.9	151.4	154.8	123.8	134.2	151.4	158.2	189.2	

TABLE 128  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

LUCY LAKE

Latitude 50°18'; Longitude 87°13'

GENUS	SPECIES	June 6/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 15/71	Sept. 25/71	
<b>SUB-ORDER Calanoida</b>												
Diaptomus	oregonensis											
Diaptomus	minutus			1328	110	42	72	264	20	56	154	
Diaptomus	sicilis										168	
Diaptomus	ashlandi											
Diaptomus	sp.	1600	812	64	1580	1414	1068	708	540	182	336	
Epischura	lacustris		14		56	24	24	12	30	28		
Limnocalanus	macrurus											
<b>SUB-ORDER Harpacticoida</b>												
Canthocamptus	oregonensis											
<b>SUB-ORDER Cyclopoida</b>												
Cyclops	bicuspidatus thomasi	5728	3458	4208	100	168	144	240	220	350	182	
Cyclops	vernalis			32	60	56	72		350	280	42	
Cyclops	scutifer											
Cyclops	sp.				1830	2072	1860	1596	400	392	1834	
Mesocyclops	edax				42	24	12	30				
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	304	70	48	510	42	144	396	40	56		
Ergasilus	sp. (parasitic copepod)						12					
Volume of water sampled in Litres		158.2	120.4	178.9	151.4	154.8	123.8	134.2	151.4	158.2	189.2	

TABLE 129  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

STRING BOG

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	June 25/71	July 15/71	Aug. 1/71	Sept. 3/71	Sept. 25/71							
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.												
Canthocamptus	oregonensis												
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus												
Daphnia	catawba	4	1	2	3	12							
Daphnia	galeata mendotae		1			1							
Daphnia	longiremis			1									
Daphnia	middendorffiana												
Daphnia	pulex												
Daphnia	retrocurva	3				3							
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum	40	6	7	1								
Eury cercus	lamellatus												
Holopedium	gibberum	2		1									
Leptodora	kindtii												
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus	9	3	20									
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus					2							
Volume of Water Sampled in Litres		10.3	10.3	13.8	17.2	20.6							

TABLE 130  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

STRING BOG

Latitude 51°31'; Longitude 85°44'

GENUS	SPECIES	June 25/71	July 15/71	Aug. 1/71	Sept. 3/71	Sept. 25/71							
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis					1							
Diaptomus	minutus												
Diaptomus	sicilis												
Diaptomus	ashlandi			1									
Diaptomus	sp.	3		2		6		3					
Epischura	lacustris												
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocampus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	1	3										
Cyclops	vernalis												
Cyclops	scutifer												
Cyclops	sp.	9		7		8		31					
Mesocyclops	edax	1											
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii			1			1						
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres.		10.3	10.3	13.8	17.2	20.6							

TABLE 131  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

WABEMIEG LAKE

Latitude 51° 28'; Longitude 85° 35'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71		
Acroperus	harpae				1							
Alona	affinis			8								
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.											
Canthocampus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus											
Daphnia	catawba											
Daphnia	galeata mendotae											
Daphnia	longiremis											
Daphnia	middendorffiana											
Daphnia	pulex											
Daphnia	retrocurva											
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eury cercus	lamellatus	16	16									
Holopedium	gibberum	8		8								
Leptodora	kindtii	8	56	8								
Macrothrix	sp.											
Ophryoxus	gracilis	8										
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus	8										
Volume of Water Sampled in Litres		20.6	17.2	13.8	17.2	17.2	17.2	34.4	24.1	27.5		

TABLE 132  
ZOOPLANKTON  
ALBANY RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

WABEMIEG LAKE

Latitude 51°28'; Longitude 85°35'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	July 23/71	Aug. 1/71	Aug. 11/71	Sept. 3/71	Sept. 25/71		
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis					4						
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi											
Diaptomus	sp.											
Epischura	lacustris											
Limnocalanus	macrurus											
<u>SUB-ORDER Harpacticoida</u>												
Canthocamptus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi	40	568	96	14	15	15	130	50	120		
Cyclops	vernalis	96			12	10	58	40	10	40		
Cyclops	scutifer		8									
Cyclops	sp.	504	24		189	158	99	1	60	340	600	
Mesocyclops	edax								10			
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	48	24	24	5	25	11	10				
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		20.6	17.2	13.8	17.2	17.2	17.2	34.1	24.1	27.5		

TABLE 133  
ZOOPLANKTON  
ATTAWAPISKAT RIVER BASIN

PHYLUM	Arthropoda	STREATFIELD LAKE										
CLASS	Crustacea	Latitude 52° 08'; Longitude 85° 53'										
ORDER	Cladocera											
GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71			
Acroperus	harpae											
Alona	affinis	1										
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	7	40	56	28	59	696	387	400			
Canthocampus	oregonensis											
Ceriodaphnia	lacustris						1					
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus	15	15	14	33	14	24			64		
Daphnia	catawba											
Daphnia	galeata mendotae		1				1					
Daphnia	longiremis											
Daphnia	middendorffiana									36		
Daphnia	pulex											
Daphnia	retrocurva		3		8	14				48		
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum		4	7	22	31	300	162	8			
Eurycerus	lamellatus	2				1	12					
Holopedium	gibberum	9										
Leptodora	kindtii											
Macrothrix	sp.	1										
Ophyroxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		17.2	13.8	13.8	13.8	17.2	34.4	20.6	27.5			

TABLE 134  
ZOOPLANKTON  
ATTAWAPISKAT RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

STREATFIELD LAKE

Latitude 52°08'; Longitude 85°53'

GENUS	SPECIES	June 7/71	June 14/71	June 25/71	July 15/71	Aug. 1/71	Aug. 14/71	Sept. 3/71	Sept. 25/71				
<b>SUB-ORDER Calanoida</b>													
Diaptomus	oregonensis			50	11	37	72	45	96				
Diaptomus	minutus			3	4	2	24			40			
Diaptomus	sicilis												
Diaptomus	ashlandi												
Diaptomus	sp.		47	29	17		36	99	24				
Epischura	lacustris	3	42	12	7	5	36	9	8				
Limnocalanus	macrurus												
<b>SUB-ORDER Harpacticoida</b>													
Canthocampus	oregonensis												
<b>SUB-ORDER Cyclopoida</b>													
Cyclops	bicuspidatus thomasi	16	41	11	32	159	636	126	64				
Cyclops	vernalis						60			16			
Cyclops	scutifer												
Cyclops	sp.	61	200	165	70			81	352				
Mesocyclops	edax												
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii	31	14		5	3	48	9					
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		17.2	13.8	13.8	13.8	17.2	34.4	20.6	27.5				

TABLE 135  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

BRUNSWICK LAKE

Latitude 49°00'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp. (coregoni)	110	30	70		75	50	60	140			
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus						20	60	210			
Daphnia	catawba						12					
Daphnia	galeata mendotae		80	280	70	252		60	70			
Daphnia	longiremis											
Daphnia	middendorffiana											
Daphnia	pulex											
Daphnia	retrocurva	10	40	250	460	960	170	50	672			
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum	10		170	300	1080	930	190	112			
Eury cercus	lamellatus											
Holopedium	gibberum	60										
Leptodora	kindtii	10					12	10				
Macrothrix	sp.											
Ophyroxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		48.2	86.0	92.9	61.9	89.4	82.6	79.1	82.6			

TABLE 136  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Copepoda

BRUNSWICK LAKE

Latitude 49°00'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
<u>SUB-ORDER Calanoida</u>													
Diaptomus	oregonensis		170	230	110	576	50	330	168				
Diaptomus	minutus		20	30	10		30		28				
Diaptomus	sicilis												
Diaptomus	ashlandi	10					100						
Diaptomus	sp.	360	1870	540	270	492	180		70				
Epischura	lacustris		80	30	10	48	20	20	14				
Limnocalanus	macrurus												
<u>SUB-ORDER Harpacticoida</u>													
Canthocampus	oregonensis												
<u>SUB-ORDER Cyclopoida</u>													
Cyclops	bicuspidatus thomasi	220	20	40						1750			
Cyclops	vernalis			10				30		196			
Cyclops	scutifer												
Cyclops	sp.	120	20	90	120	720	440	400					
Mesocyclops	edax	150	50	50	160	360	150	260		56			
Mesocyclops	leuckarti												
Eucyclops	agilis												
Tropocyclops	prasinus mexicanus												
Macrocylops	alter												
Macrocylops	albidus												
Immature	copepods = nauplii	90	10	170	130	192	130	150	14				
Ergasilus	sp. (parasitic copepod)												
Volume of water sampled in Litres		48.2	86.0	92.9	61.9	89.4	82.6	79.1	82.6				

TABLE 137  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

PIERRE LAKE

Latitude 49°31'; Longitude 80°44'

GENUS	SPECIES	June 6/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71			
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	10	2			8	108	360	10			
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus						96					
Daphnia	catawba											
Daphnia	galeata mendotae	7	66	174	780	32	72	30	50			
Daphnia	longiremis	2		6								
Daphnia	middendorffiana								10			
Daphnia	pulex											
Daphnia	retrocurva		25	90	70	32	48	10				
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum		6			8	276	350	10			
Eury cercus	lamellatus											
Holopedium	gibberum	2	4									
Leptodora	kindtii											
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.	1										
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		37.8	68.8	120.4	103.2	75.7	120.4	113.5	113.5			

TABLE 138  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

PIERRE LAKE

Latitude 49°31'; Longitude 80°44'

GENUS	SPECIES	June 6/71	June 22/71	July 2/71	July 19/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 30/71			
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis	3					56	20				
Diaptomus	minutus		5	36		24	60	80				
Diaptomus	sicilis											
Diaptomus	ashlandi	75	18	180	3520	168		40				
Diaptomus	sp.	75	203	708		616	1860	510	460			
Epischura	lacustris	15	13	30	20	24	72	50	20			
Limnocalanus	macrurus			6	20		12		10			
<u>SUB-ORDER Harpacticoida</u>												
Canthocamptus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi	37	13	6	200	40	36	230	10			
Cyclops	vernalis				50	32	12	40	100			
Cyclops	scutifer			6								
Cyclops	sp.	44	111				240		500			
Mesocyclops	edax	1	7	150	40		24	20	10			
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus	1										
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	35	9	144	40		72	60	10			
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		37.8	68.8	120.4	103.2	75.7	120.4	113.5	113.5			

TABLE 139  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

REMI LAKE

Latitude 49°25'; Longitude 82°10'

GENUS	SPECIES	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71	Sept. 30/71		
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.											
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris											
Ceriodaphnia	reticulata											
Ceriodaphnia	sp.											
Chydorus	sphaericus											
Daphnia	catawba											
Daphnia	galeata mendotae											
Daphnia	longiremis											
Daphnia	middendorffiana											
Daphnia	pulex											
Daphnia	retrocurva											
Daphnia	rosea											
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eurycercus	lamellatus											
Holopedium	gibberum											
Leptodora	kindtii											
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		48.2	86.0	75.7	89.4	92.9	68.8	79.1	86.0	75.7		

TABLE 140  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

REMI LAKE

Latitude 49° 25'; Longitude 82° 10'

GENUS	SPECIES	June 9/71	June 22/71	July 4/71	July 18/71	July 30/71	Aug. 17/71	Aug. 27/71	Sept. 10/71	Sept. 30/71		
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis	10	1220	150	1430	270	280	14	84	364		
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi			10								
Diaptomus	sp.	850	30	1030	350	260	250	420	1008	84		
Epischura	lacustris	60	70	60	10	10	30	14	56	14		
Limnocalanus	macrurus											
<u>SUB-ORDER Harpacticoida</u>												
Canthocampus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi	20	100	70	60	150	70	56	14	98		
Cyclops	vernalis	20	60	30	170	100	30	28	448	1190		
Cyclops	scutifer											
Cyclops	sp.	1200	400	190	590	390	110	154	210			
Mesocyclops	edax	50	50	20	70	170	90		98	42		
Mesocyclops	leuckarti											
Eucyclops	agilis							84				
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	20	100	80		150	50	42	70	14		
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		48.2	86.0	75.7	89.4	92.9	68.8	79.1	86.0	75.7		

TABLE 141  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

SAGANASH LAKE

Latitude 49°49'; Longitude 82°35'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71				
Acroperus	harpae												
Alona	affinis												
Alona	guttata												
Alona	sp.												
Allonella	sp.												
Bosmina	sp.												
Canthocamptus	oregonensis	24			16				10				
Ceriodaphnia	lacustris												
Ceriodaphnia	reticulata												
Ceriodaphnia	sp.												
Chydorus	sphaericus							110					
Daphnia	catawba												
Daphnia	galeata mendotae	24	98	80	32	50					12		
Daphnia	longiremis										12		
Daphnia	midendorffiana												
Daphnia	pulex												
Daphnia	retrocurva		28	160	48	80	70	100		12			
Daphnia	rosea												
Daphnia	sp.												
Diaphanosoma	leuchtenbergianum												
Eurycercus	lamellatus												
Holopedium	gibberum												
Leptodora	kindtii												
Macrothrix	sp.												
Ophryoxus	gracilis												
Pleuroxus	sp.												
Polyphemus	pediculus												
Rhynchotalona	falcata												
Sida	crystallina												
Streblocerus	serricaudatus												
Volume of Water Sampled in Litres		51.6	55.0	51.6	31.0	86.0	86.0	58.5	48.2				

TABLE 142  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

SAGANASH LAKE

Latitude 49°49'; Longitude 82°35'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis											
Diaptomus	minutus											
Diaptomus	sicilis											
Diaptomus	ashlandi	792	511	1360	320	580	1600	150	84			
Diaptomus	sp.	3648	105		72	1140		70	636			
Epischura	lacustris	60	56	120	48	80	70	50	12			
Limnocalanus	macrurus											
<u>SUB-ORDER Harpacticoida</u>												
Canthocamptus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi	48	70	10	24	10						
Cyclops	vernalis				8	40	110	10	144			
Cyclops	scutifer					10						
Cyclops	sp.	240			40	50		80				
Mesocyclops	edax											
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocylops	alter											
Macrocylops	albidus											
Immature	copepods = nauplii	48	42	130	96			20				
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		51.6	55.0	51.6	31.0	86.0	86.0	58.5	48.2			

TABLE 143  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM  
CLASS  
ORDER

Arthropoda  
Crustacea  
Cladocera

SHANNON LAKE

Latitude 49°47'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
Acroperus	harpae											
Alona	affinis											
Alona	guttata											
Alona	sp.											
Allonella	sp.											
Bosmina	sp.	130	58	59	96	189	480	75	160			
Canthocamptus	oregonensis											
Ceriodaphnia	lacustris					2	40	41	16			
Ceriodaphnia	reticulata								8			
Ceriodaphnia	sp.											
Chydorus	sphaericus	10	2	5	13	21	70	9	16			
Daphnia	catawba											
Daphnia	galeata mendotae	110	55	27	3							
Daphnia	longiremis											
Daphnia	middendorffiana	60	5									
Daphnia	pulex											
Daphnia	retrocurva	20	4	5	12	11						
Daphnia	rosea	50										
Daphnia	sp.											
Diaphanosoma	leuchtenbergianum											
Eurycercus	lamellatus											
Holopedium	gibberum											
Leptodora	kindtii											
Macrothrix	sp.											
Ophryoxus	gracilis											
Pleuroxus	sp.											
Polyphemus	pediculus											
Rhynchotalona	falcata											
Sida	crystallina											
Streblocerus	serricaudatus											
Volume of Water Sampled in Litres		27.5	24.1	17.2	20.6	24.1	34.4	34.4	24.1			

TABLE 144  
ZOOPLANKTON  
MOOSE RIVER BASIN

PHYLUM Arthropoda  
CLASS Crustacea  
ORDER Copepoda

SHANNON LAKE

Latitude 49°47'; Longitude 83°23'

GENUS	SPECIES	June 8/71	June 22/71	July 3/71	July 17/71	July 29/71	Aug. 17/71	Aug. 27/71	Sept. 28/71			
<u>SUB-ORDER Calanoida</u>												
Diaptomus	oregonensis	20	49	29	25	5	150	51	104			
Diaptomus	minutus			5								
Diaptomus	sicilis											
Diaptomus	ashlandi											
Diaptomus	sp.											
Epischura	lacustris											
Limnocalanus	macrurus	10	43	40 2	46 2	35 1				8		
<u>SUB-ORDER Harpacticoida</u>												
Canthocampus	oregonensis											
<u>SUB-ORDER Cyclopoida</u>												
Cyclops	bicuspidatus thomasi	350	17	2	2	1				32		
Cyclops	vernalis			2			50	10		8		
Cyclops	scutifer											
Cyclops	sp.	970	80	41	28	85	130	32		416		
Mesocyclops	edax	20	2			9		5				
Mesocyclops	leuckarti											
Eucyclops	agilis											
Tropocyclops	prasinus mexicanus											
Macrocylops	alter									16		
Macrocylops	albidus						30			16		
Immature	copepods = nauplii	10	18	13	12	13	50	101	40			
Ergasilus	sp. (parasitic copepod)											
Volume of water sampled in Litres		27.5	24.1	17.2	20.6	24.1	34.4	34.4	24.1			

ONTARIO  
OWRC Publication



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WATER RESOURCES SURVEY

## NORTHERN ONTARIO

MAP 2006-10

## HYDROMETRIC STATIONS 1971



Scale 1 inch equals 33 miles

0 20 40 60 80 100

40 0 40 80 120 Kilometers

Base map derived from Map MCR 39, Dept. of Mines and Technical Surveys, Ottawa, 1962.

## LEGEND

Streamflow gauging station, recording gauge, open water period	△ 002
Streamflow gauging station, recording gauge (Environment Ontario)	▲ 009
Streamflow gauging station, recording gauge (Environment Canada)	▲ 4FB-2
Lake gauge	■ 4GC-1
Meteorological station	★ COCHRANE
Precipitation station only, recording gauge	★ FORT HOPE
Snow course	* 001
Ground water observation station	◎ 004
Ground water observation station, recording gauge	◎ 003R
Ground water observation station, two piezometers	◎ 007(2)
Environment Ontario station	△ ▲ * ◎
Environment Canada station	▲ ■ ★ ☆

To accompany Water Resources Bulletin 1-4

